INNOVATIVE AND QUALITY SOLUTIONS, INC.
Specializes in Environmental Solutions

February 26, 2007

Mr. Jeffrey W. Kimble
SE-GI
USEPA Large Lakes Research Station/ORD
USEPA Region 5 Emergency Response #1
9311 Groh Road
Gross Ile, MI 48318-1697

Subject: Submittal of Site Assessment/Environmental Mitigation Activities Report for New Haven Foundry Site, New Haven, Michigan.

Dear Mr. Kimble,

Innovative and Quality Solutions, Inc. (IQS) has completed the Site Assessment/Environmental Mitigation Activities (SA/EMA) Report for the New Haven Foundry Site. The SA/EMA was prepared for HR-One Development, LLC/Richter's Contracting, Inc.

Based on the IQS final walk through of the Site, STE has completed all the SA/EM activities as outlined in the USEPA's AOC. In IQS' opinion no further action is recommended for Parcels A, B and C inconjunction with the AOC's requirement. However, Parcel D should not be disturbed and shall be monitored yearly by collecting groundwater samples from the existing onsite monitoring wells.

Enclosed please find a copy of the Site Assessment/Environmental Mitigation Activities Report for your review.

If you have any questions or need any further information, please do not hesitate to contact me either at **iqs@earthlink.net**.

Thank.

Sincerely,

Sunil Kulkarni, M.S., C.P.
President

Cc:

HR-One Development, LLC
Richter's Contracting, Inc.
Michael Browning, Dynamac Corporation (START)
IQS File: NHF2004-11-14

IQS Project No.: NHF2004-11-14

Conducted:

SITE CLOSURE REPORT
SITE ASSESSMENT/ENVIRONMENTAL MITIGATION ACTIVITIES
FOR
HR-ONE DEVELOPMENT, LLC/RICHTER'S CONTRACTING, INC.
2 CROCKER BLVD.
MT. CLEMENS, MI 48043

At The Property:

NEW HAVEN FOUNDRY SITE
NEW HAVEN VILLAGE, MACOMB COUNTY, MICHIGAN

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY (U.S. EPA)
REGION V
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS

Prepared by:

SPECIALIZES IN ENVIRONMENTAL SOLUTIONS

Innovative and Quality Solutions, Inc.
3989 Sun Rapids Road
Okemos, Michigan

February 26, 2007

IQS Project No.: NHF2004-11-14

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Sunil Kulkarni, M.S., C.P.
Environmental Engineer

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1.0 BACKGROUND

1.1 INTRODUCTION

Innovative and Quality Solutions, Inc. (IQS) was retained by HR-One Development LLC (hereinafter referred to as "The Current Owner") on November 18, 2004 to assist in completing a site assessment and environmental mitigation activities report for the former New Haven Foundry Site (herein after referred to as "Site"). On February 14, 2005, USEPA-Region V and HR-One Development LLC/Richter's Contracting, Inc. signed an Administrative Order by Consent (AOC). The USEPA and current owner signed an agreement to address certain environmental issues as identified in the AOC.

In order to mitigate the threats to public health, welfare and the environment posed by the presence of the hazardous waste abandoned at the Site by former NHF, USEPA issued Action Memorandum (Requested for Time-Critical Removal Action) on September 14, 2004.

To conduct the Time-Critical Removal Action as requested by USEPA's September 14, 2004 letter, Richter's Contracting, Inc., a remediation contractor procured by the Trustee, had conducted the following site-specific objectives:

- Mitigate the environmental hazards.
- Remediate the acute hazards including drums, other miscellaneous containers and contaminated foundry sand.
- Reduce the potential direct contact risk for the uninvited visitors/trespassers.

The scope of work was tailored according the USEPA's AOC requirements and to mitigate the environmental and safety hazards posed due to the presence of abandoned hazardous chemical and the buildings. The location of the Site is attached as Figure-1: "Site Location Map". The Site details are presented in Figure-2: "Site Orientation Map." These figures are presented in Exhibit A.

At present, the Site is a vacant land with couple of buildings located in the southwest section of Parcel-C. The current owner is reportedly preparing some parcels of the Site for sale. Currently there is no business activity being conducted at the Site. The current owner bought the Site on February 09, 2006 through Bankruptcy Court.

Historically, based on the available information, the Site has been conducting business as a Foundry. The Site conducted foundry operations making lead moulds for automotive parts from

1926 until 2001. The former New Haven Foundry (NHF) owner declared Chapter 7 Bankruptcy in 2001. "United States of Bankruptcy Court was appointed Mr. G.E. Grogan as a Chapter 7 Trustee for the Eastern Division of Michigan" prior the purchase of the Site by the current owner.

1.2 SITE HISTORY

The objective of reviewing historical sources is to (a) develop a history of previous uses or specific occupancies of the Site and (b) identify those uses or specific occupancies that are likely to have led to recognized environmental conditions (RECs) at the Site, and to the extent identifiable at adjoining properties.

According to the historical available information, reasonable ascertainable records extended back to early 1926, as deciphered from sanborn map and other local historical records, prior to which time historical information was not available for the Site area. The Site conducted foundry operations making lead moulds for automotive parts from 1926 until 2001 before it declared bankruptcy. The adjacent properties were developed due to the foundry business at the same time and have been used as residential, light industrial and commercial businesses. The Site is zoned as heavy industrial and the adjacent properties include light commercial to the north; light industrial and railroad tracks to the east; farmlands to the south; and residential houses to the west, since early 1926 until the present.

To identify the land usage and timing of past activities in the area, historical documents were reviewed including MDEQ files, EPA files, Radial Search, Historical Aerial Photographs, Sanborn Maps, City Directories, USDA Soil Survey of Macomb County, Macomb County Plat, Historical Topographic Maps, City Directories, Warranty Deeds and City Assessor's records. Based on the historical review of the available documents, the following environmental investigation and remediation activities were identified at the Site:

- In 1957, the employees union (UAW) lodged complaint with Macomb County Health Department regarding poor sanitation in the workers area. It was addressed after several complaints.
- On May 04, 1981 MCHD received a complaint from an unknown person regarding illegal dumping on the Site property. MCHD responded by visiting the Site and found no evidence of illegal dumping, except foundry sand and wooden crates.
- MCHD conducted TCLP on Core sand and Shakeout sand and analyzed them for heavy metals. Found only barium, lead and zinc below threshold levels.
- On September 25, 1984 New Haven Foundry (NHF) requested Department of Natural Resources (DNR), Groundwater Quality Division (GWQD) to designate the slag and foundry sand as inert material and allow for onsite disposal.
- In conjunction to the above NHF request, DNR collected samples of the material requested and analyzed them for Michigan heavy metals, cyanide, phenolics, fluoride and pH. Based on the analytical results, on February 12, 1987, DNR, GWQD designated the foundry waste as inert and allowed NHF to dispose off slag and foundry sand onsite on the south side of the foundry area.
- On July 12, 1989 DNR, Environmental Response Division conducted a complaint investigation and found no evidence of any illegal dumping. However, in January 1990 DNR requested NHF to conduct a groundwater investigation to determine if groundwater has been impacted by onsite waste pile disposal.
- In regarding to the DNR's January 1990 request, NHF retained an environmental consultant to conduct a site assessment of the facility. The findings of the site assessment report (April 1990)

recommended NHF to conduct further groundwater investigation. In August 1990 NHF retained RMT, Inc. of Ann Arbor to conduct further groundwater investigation at the Site.

- In 1990 DNR completed Site Screening Investigation including Site soil, groundwater, surface water and fish creek sediments. In September 1990 "Site Screening Investigation Report" was completed and identified that the Site soils, surface water and sediments were impacted with heavy metals, volatile organic compounds and semi volatile organic compounds. However, groundwater only showed some metal concentrations below the threshold. DNR recommended including the Site in the Part 201 Contaminated Sites.
- In April 1991 RMT completed and submitted the "Preliminary Groundwater and Waste Pile Investigation Report" to DNR. After reviewing the report, DNR requested for a Phase II Investigation to conduct further investigation that would include complete delineation of horizontal and vertical extent of the contamination in soil and groundwater at the Site.
- In December 1993 RMT, Inc. completed Phase II Investigation and concluded that the disposed waste pile did not impact onsite groundwater and impacted soils with heavy metals remain within the boundaries of the waste pile.
- In 1995 U.S. EPA conducted Resource Conservation and Recovery Act (RCRA) an investigation of the waste pile and determined that the Toxicity Characteristic Leaching Procedure (TCLP) test of the soils from the waste pile showed positive results. These results indicated that there is a potential threat to the waters of the Site.
- Based on the September 1990 Site Screening Report DNR recommended NHF to remediate the Fish Creek Channel Sediments and associated Ponds.
- In December 1995, cleanup work of Fish Creek Channel and two Ponds were completed.
- In 1999, pursuant to Consent Decree in Civil Action No. 97-71847 with USEPA, NHF completed capping of the two waste piles and in May 2000 completed remaining waste pile associated tasks.
- RMT, Inc. completed "Second Semi-Annual Groundwater Sampling Report" in September 2001.
- In June 2003 Tetra Tech EM, Inc. conducted Site Assessment to identify the site condition, following abandonment of the Property by NHF. The Site Assessment Report is present in Exhibit G: "Historical Site Assessment Report (TTEMI)."
- On September 14, 2004, USEPA issued "Action Memorandum (Date: 09-14-2004)".
- The current owner completed a Phase I Environmental Site Assessment in December 2004. A copy of the report was submitted to USEPA.
- The current owner entered into a USEPA Administrative Order by Consent (AOC) in early 2005 to conduct abatement of historically abandoned hazardous and non-hazardous chemicals in various container/drums/tanks associated with the former New Haven foundry operations.
- The current owner completed several of the tasks identified in the AOC in 2005 including removal and disposal of the drums and its contents, removal and disposal of the foundry sand and other miscellaneous tasks (demolition of onsite structures and disposal of the debris).

1.3 SITE DESCRIPTION

Currently, the Site is approximately 40 acres of area of vacant land with two capped waste piles in the southern portion and two lagoons in the southeastern portion. Details of the Site are presented as Figure 2 – "Site Orientation Map" in Exhibit A.

The Site has been zoned as heavy industrial (class 'HI') and is situated in East ½ of the West ½ of Section 33, Township 4 North, Range 14 East in the Village of New Haven, Lenox Township. The Site is bordered with Main Street to the north; railroad track to the east; 26 Mile Road to the south

and Pasco Street to the west.

1.4 CURRENT STATUS

At present, there are only two building exists on the southwest corner of the Parcel-C. No business activity is being conducted at the Site, except, the two existing buildings are use for an office space and garage, and the Parcel-C is used as a heavy equipment parking area.

2.0 SITE ASSESSMENT ACTIVITIES

Following completion of the work plan (WP) and health and safety plan (HASP), IQS mobilized to the site to conduct a site inspection on November 30, 2004.

2.1 SITE RECONAISSANCE

IQS personnel conducted a site inspection of the Property on November 26, 2004. The inspection was conducted to identify potential environmental and safety hazards associated with the historical usage of the Site. The visual inspection was conducted to identify for the potential presence of USTs, ASTs, drums/containers, hazardous substances (including lead based paint and asbestos), discolored soil or pavement, stressed vegetation or solid waste that could potentially affect the soil or groundwater quality at the Site. The photographs documenting the conditions present during the visual inspection at the Site are included in Exhibit B (Interior and Exterior Photographs).

Site Inspection

A visual inspection was completed on November 26, 2004 to observe the site conditions and to assess the environmental risk associated with the Site. The Site photographs are attached as Exhibit B – Interior & Exterior.

Interior Inspection

The interior inspection of the Site indicated significant evidence of recognized environmental conditions in several of the onsite former buildings including front office building facing Main Street; Stock Room; Cleaning Department Area; Core Room Area and Foundry Area. The office building had suspect asbestos containing material as shown in Exhibit B: "Interior Photographs Nos.: 1 & 2", respectively. The Stock Room had several commercial paint cans and other miscellaneous material as shown in Exhibit B: "Interior Photographs, Photograph No. 3 & 4". The Cleaning Department Area had several drums including a 55-gallon drum with used oil, two 55-gallon drums with foundry sand, and several square foot of transite board (asbestos containing building material) as shown in Exhibit B: "Interior Photograph Nos.: 5, 6, 7 & 8", respectively. The Core Room had several 55-gallon drums marked as hydraulic oil, unknown liquid (most likely used motor oil), three catalyst tanks, several square feet of transite board, two ovens with friable asbestos containing material around the duct and other miscellaneous material including mould blocks, lot of steel, etc. Refer to Exhibit B: "Interior Photograph Nos.: 7, 8, 9 & 10" respectively. The Foundry Area had lot of building material and had few drums with used motor oil and hydraulic oil as shown in Interior Photograph Nos.: 11.

Before declaring bankruptcy the Site was served with telephone, electricity, gas, municipal water (for the main office building) and onsite wells were used for sanitary and foundry manufacturing usage. The sanitary sewer was connected to the Village of New Haven sanitary system and storm water runoff was connected to the fish creek. Prior to this environmental mitigation activities all the utilities were disconnected.

Several of the Site buildings including Stock Room, Electric Room, Cleaning Department, Core Room, Foundry Area and Building Material Storage Area were constructed of combination of masonry blocks, styro-foam insulation, fiberglass insulation, steel frame, metal sidings, transite board in some areas and concrete pillars. The office building was constructed of lumber, dry wall,

false ceiling, combination of vinyl and carpet flooring above concrete, suspect asbestos containing building material (SACBM) boards, ceiling tiles with SACBM and a flat roof.

In addition, the interior of the buildings was visually inspected for any potential asbestos containing material (PACM) and lead-based paint. Did not observe any lead-based paint. There were several square feet of ACBM and SACBM inside of the several buildings as described in the above paragraphs. Based on the Village of New Haven's building drawings, there were several floor drains throughout the interior of the Site buildings, but they could not be located during the site inspection due to the absence of electricity and darkness.

Exterior Inspection

The Site was visually inspected for signs of dumping, staining, dead vegetation and the presence of UST's, AST's, disposed drums and containers. Several drums, tanks, small containers, cans, paint sprays and miscellaneous materials were observed throughout the Site. The majority of the 55-gallons drums with chemicals and oils were staged at two former New Haven Drum Staging Areas 1 & 2, as shown in the Figure 2: " Site Orientation Map" and Exhibit B: " Exterior Photograph Nos.: 10 & 15." The drums located at Drum Staging Area 1 had used motor oil, hydraulic oil and soapy cleaning liquid. The Drum Staging Area 2 had combination of tanks, plastic 95-gallon over-pack drums, one AST, 55-gallons steel and plastic drums, 5-gallon pales, small 1-gallons cans, etc. Some of them were marked as used motor oil, hydraulic oil, flammable liquids, acids, foundry sand, miscellaneous solids, etc. There was obvious evidence of dumping, staining and vegetation observed on the Property. Observed trash throughout the Site including papers, pay checks, wooden pellets and other miscellaneous garbage. Surfacial staining was observed throughout the Site. Two piles of foundry sand was observed one on the eastern Site boundary along the eastern boundary of the foundry building (under the Crane area) and the other just to the north of the sedimentation basin as shown in Figure 2. Refer to "Exterior Photographs" in Exhibit B.

Prior to the new survey, the Site was separated into three distinct areas including a Manufacturing area with all the buildings, two capped waste piles with sedimentation basin, and two closed lagoons with fish creek channel. The manufacturing area had a front office building (used as an Administration building by the former NHF), Stock Room, Electric Room, Cleaning Department Area, Core Room, Foundry Area and a Building Material Storage Area as shown in Figure 2. This manufacturing area was paved with concrete/asphalt. A parking lot located on the southwest portion of the manufacturing area was paved with asphalt. The employees and visitors of the former NHF used this parking lot. The Site was secured with approximately six feet barbed fence and has four gates to access the Site from north, west and south. At present there are only two access gates; one on the Delanie Street and the other on the southwest corner from Pascal Street. At present, the Site boundary is secured with 6-foot steel fence.

Several storm water runoff drains were observed on the manufacturing area of the Site. Most of the drains were plugged with sediment, which can be justified by the standing surface water. These drains were connected to the Fish Creek on the southern boundary of the manufacturing area. The rest of the areas were covered with unpaved dirt roads, two huge mounds, and water bodies. An electric transformer was observed on the south side of the foundry building. No visible stains were observed in the vicinity of the transformers. All the exterior photographs of the Site and the vicinity are presented in Exhibit B as "Exterior Photographs".

2.2 ASBESTOS SURVEY, ABATEMENT & REPORT

IQS Accredit Building Inspector with Accreditation No.: A30956, Mr. Sunil Kulkarni, conducted the inspection at the Facility in order to identify asbestos containing building materials (ACBM). The inspection was conducted on November 30, 2004 during the day. This inspection is required by the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 61, subpart M, 61.145 standard for demolition and renovation. The inspection was conducted in accordance with the NESHAP regulations.

IQS went through each building (as feasible considering the condition of the buildings) to conduct visual inspection of floors, walls, ceilings, above ceiling areas (if present), ventilation system, gaskets, and other building materials to identify the presence of the ACBM. All suspected materials were touched, as required, to determine if they are friable. The samples were collected based on the visual observation and consistency of the material. After obtaining the analytical results, the materials were characterized based on the % asbestos present in the sample and physical characteristics of the material as defined in the NESHAP definition. The samples were collected in zip-lock bags and double bagged and labeled accordingly. The samples were hand delivered to Fibertec Analytical Laboratories located in Holt, Michigan for the asbestos analysis using polarized light microscopy (PLM) method, as recommended by NESHAP.

Four samples were collected from the following locations as specified below:

Sample No. 1: Collected from the Core Room area; sample is a transite non-friable material and is located as shown in the attached Figure in Exhibit F.
Sample No. 2: Collected from the Core Room area; sample is a mud wrap around the duct of oven #2 located on the west end of the area and as shown in the attached Figure in Exhibit F.
Sample No. 3: Collected from the Foundry area; sample is a pipe wrap material; refer to the attached Figure in Exhibit F for the sample location.
Sample No. 4: Collected from the Foundry area; sample is a spray-on pipe wrap material; refer to the attached Figure in Exhibit F for the sample location.

Findings and Recommendations

Non-friable asbestos containing material (ACM) including transite was observed in several accessible locations as shown in the attached Figure. Friable ACM was observed around the ducts of oven #1 and #2 in the Core Room area. Based on the analytical results, the sample no. 1 and 2 showed positive for asbestos; and 3 & 4 showed non-detect for asbestos.

Based on the physical condition of the material and as defined categorically in NESHAP definition, the mud plaster around the oven is identified as friable and in a fair condition, however, it has a high probability of getting disturbed due to trespassers. IQS recommend the abatement of the friable material by the State of Michigan approved abatement contractor and in accordance with all Federal and State rules prior to the any demolition and renovation activities. Approximately 6 cubic foot of the friable ACM was identified in the core room area associated with oven #1 & #2.

Transite sidings were observed in several buildings including cleaning room and core room. Approximately 3,500 square feet of transite material was observed throughout the Facility. This is a regulated Category II non-friable ACM according to the NESHAP definition and given conditions.

However, this category can be identified under non-regulated ACM and disposed-off as a solid building material waste to Type II landfill, provided the abatement can be performed without causing the material any damage including crushing, breaking, boring, etc. by the equipment.

On January 27, 2005, STE abated all the identified ACM. A total of 4 cubic yards of friable ACM was abated and disposed-off and approximately 3,500 square feet of transite boards were disposed of at Woodland Meadows RDF in Wayne, Michigan. Refer to Exhibit F. The asbestos abatement was conducted by an approved State of Michigan abatement contractor and in accordance with Federal and State rules and regulations.

2.3 DRUM INVENTORY/TRANSPORTATION

A preliminary drum inventory was conducted during site reconnaissance to characterize and facilitate the transportation of the containers with proper handling and safety measures to a secured location prior to demolition of the buildings. The drums were checked for the physical condition and contents, prior to relocating. A photoionization detector was utilized to test the contents for volatile organic compounds. This preliminary drum inventory was performed in accordance with the Site health and safety plan (which was submitted and approved by TTEMI).

Following inventory, all the drums and the containers were re-located at a secured onsite location, just south of the Delanie Street access gate. Refer to Figure 2 in Exhibit-A for location and the Photographs in Exhibit B: "Drum Inventory."

IQS, STE (Frank Richter) and TTEMI personnel Nancy Smith conducted a kickoff meeting on June 01, 2005 for conducting drum inventory and foundry soil sampling. During demolition, STE collected all the residual foundry sand from throughout the Site and piled up at the former foundry area as shown in photographs in Exhibit B: "Foundry Sand Staging, Removal and Disposal" and in Figure 2 attached in Exhibit A.

On June 8, 2005, IQS with the assistance of TTEMI (Nancy Smith) completed drum/container inventory and labeling. Refer to Exhibit C: "Drum Inventory Report." The surrounding air was evaluated using PID for any volatile organic compounds (VOCs) and then each drum was tested for VOCs, as shown in Exhibit B: "Drum Inventory photographs 9 & 10." This drum inventory was conducted in accordance with National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and as described in the IQS's work plan and health and safety plan.

Several of the drums (55-gallons) had hydrocarbon-related liquid including waste oil, hydraulic oil, soapy water, and other miscellaneous liquids. Only two of the several drums were identified as hazardous, based either on the pH test and or from the labels on the drums. Based on the TTEMI's sample analysis the contents of these two drums were characterized as hazardous waste based on the corrosivity code (D002). A detailed inventory summary is presented in Exhibit C: "Drum Inventory Report." Also, refer to TTEMI's report presented in Exhibit G: "Historical Site Assessment Report."

3.0 DEMOLITION ACTIVITIES

Following completion of asbestos abatement and drums/tanks/containers relocation activities, STE (former Richter's Contracting, Inc.) initiated demolition activity in early February of 2005. All the onsite buildings and other above ground structures, except front former office building, were demolished by April of 2005. The removal and disposal of demolition debris was completed by July of 2005.

The former office building was demolished in January of 2006 following asbestos abatement associated with that building.

Following demolition and prior to removal of drum contents, the northern two gates were replaced with 6-foot steel fence for the security reasons and fixed the entire site boundary fence were ever it was damaged due to winds.

4.0 SAMPLING ACTIVITIES

4.1 DRUM SAMPLING

On June 21, 2005, IQS and TTEMI were onsite to collect drum samples for analysis. Collected two composite samples; Sample #1 (collected samples from drum no. 1, 2, 3, 5, 6, 7, 8, 9, 10, 13, 17, 19 & 21 and composited into one) and Sample #4 (collected little sample from drums 22, 25, 26, 27, 32, 31, 33, 35, 37, 38, 39, 40, 49, 52, 62, 63, & 65). Sample # 2 had a very high PID reading of 1700 ppm. Sample #3 was a composite sample from soapy drums 11, 56, 58 & 59. All the samples except #2 were submitted to Usher oil company for further analysis.

4.2 FOUNDRY SAND SAMPLING

Collected four separate samples from four sides of the foundry sand pile and composited them. Collected two samples from the composited sample. These samples were submitted to Environmental Quality Laboratories, Inc. for heavy metals TCLP analysis. Refer to Exhibit D: "Disposal Documentation, Foundry Sand." TTEMI split the foundry sand samples.

4.3 LIMITED SUBSURFACE INVESTIGATION

The subsurface was conducted to assess the quality of the media (soil and groundwater) which might have been potentially impacted with various chemical constituents due to the historical usage of the Site as a foundry. The former New Haven Foundry declared Chapter 7 Bankruptcy and abandoned the Site with unprotected hazardous and non-hazardous material. In 2005, STE initiated and completed demolition of the majority of the foundry buildings in accordance with the AOC's requirement and abated hazardous and non-hazardous material including asbestos, chemicals, oils and other miscellaneous chemicals.

On February 09, 2006 HR-One Development purchased the Site from the Bankruptcy court. HR-One Development requested IQS to conduct the limited subsurface investigation at the Site parcels (Parcel-A thru –D). IQS conducted several soil borings in each parcel except Parcel-D. In Parcel-D only groundwater samples were collected from existing monitoring wells. No soil borings were installed in Parcel-D due to nature of the construction of two waste piles. These waste piles were constructed as a so-called "a site-specific landfill" with a clay cover to contain the foundry sand and potentially other debris. Refer to Figure 2 for identification of Parcels.

The following sections will discuss the subsurface investigation.

Parcel-A

This Parcel is located on the east side of the railroad as shown in Figure-2. Nine soil borings were installed using direct push method (Geoprobe®) and ten soil samples were collected including a quality analysis and quality assurance sample. The soil samples were collected continuous to a maximum depth of 12 feet below grade level (bgl). One depth-specific grab soil sample was collected from each soil boring location as shown in the attached Boring Logs. The soil samples were analyzed for volatile organic compounds, semi-volatile organic compounds and MI-10 heavy metals. The chemical analysis of the soil samples was based on the historical usage of the Site. The

samples were collected based on the field observation and PID readings. The soil boring locations and list of analytes are attached as Figure-2 and Table-1 in Exhibit E: "Limited Subsurface Investigation", respectively.

All soil samples were field screened utilizing a PID. Silt and sand were observed in the soil borings to a maximum depth of 12 feet bgl. No competent confined layer was observed in any of the nine soil borings in Parcel-A. The soils encountered were classified and logged in accordance with the Unified Soil Classification System. Refer to Exhibit E: "Soil Boring Logs."

For the volatile organic compound (VOC) analysis, IQS collected ten (10) grams of grab soil sample which were placed in a 25 ml vial containing 10 ml of methanol as a preservative in accordance with USEPA Method 5035. The balance of the sample was placed in a 4-ounce glass jar, sealed, and placed in an ice-filled cooler for the analysis semi-volatile, MI-10 heavy metals and moisture content. Soil samples were submitted to Fibertec Laboratory for analysis. The applicable MDEQ target method detection limits were used for all analytical tests. The tabulated test results are attached as Table-2: "Soil Sample Analytical Results" in Exhibit-E.

Parcel-B

This Parcel is located on the south side of the main street, west of the railroad, and north of Parcel-C as shown in Figure-2. Nine soil borings were installed using direct push method (Geoprobe®) and nine soil samples were collected from a selected eight soil boring locations (SB1, SB3 thru SB9) including a quality analysis and quality assurance sample. The soil samples were collected continuous to a maximum depth of 12 feet below grade level (bgl). One depth-specific grab soil sample was collected from each selected soil boring location as shown in the attached Boring Logs. The soil samples were analyzed for volatile organic compounds, semi-volatile organic compounds and MI-10 heavy metals. The chemical analysis of the soil samples was based on the historical usage of the Site. The samples were collected based on the field observation and PID readings. The soil boring locations and list of analytes are attached as Figure-2 and Table-1, respectively.

All soil samples were field screened utilizing a PID. Predominantly dry clay was observed in all of the soil borings below two feet of foundry sand to the termination depth of 12 feet. The soils encountered were classified and logged in accordance with the Unified Soil Classification System. Refer to Exhibit E: "Soil Boring Logs."

For the volatile organic compound (VOC) analysis, IQS collected ten (10) grams of grab soil sample which were placed in a 25 ml vial containing 10 ml of methanol as a preservative in accordance with USEPA Method 5035. The balance of the sample was placed in a 4-ounce glass jar, sealed, and placed in an ice-filled cooler for the analysis semi-volatile, MI-10 heavy metals and moisture content. Soil samples were submitted to Fibertec Laboratory for analysis. The applicable MDEQ target method detection limits were used for all analytical tests. The tabulated test results are attached as Table-2: "Soil Sample Analytical Results" in Exhibit E.

Parcel-C

This Parcel is located on the south of Parcel-B, west of railroad and north of Parcel-D as shown in Figure 2. Nine soil borings (SB4 thru SB12) were installed using direct push method (Geoprobe®) and seven soil samples were collected from selected soil boring locations (SB4, SB6, SB8, SB10, SB11 and SB12) including a quality analysis and quality assurance sample. The soil samples were

collected continuous to a maximum depth of 12 feet below grade level (bgl). One depth-specific grab soil sample was collected from each selected soil boring location as shown in the attached Boring Logs. The soil samples were analyzed for volatile organic compounds, semi-volatile organic compounds and MI-10 heavy metals. The chemical analysis of the soil samples was based on the historical usage of the Site. The samples were collected based on the field observation and PID readings. The soil boring locations and list of analytes are attached as Figure-2 and Table-1, respectively.

All soil samples were field screened utilizing a PID. Approximately 8-10" of concrete was observed in the foundry area, followed by of foundry sand ranging from 1 to 3 feet bgl. Clay was observed below foundry sand to the termination depths. The soils encountered were classified and logged in accordance with the Unified Soil Classification System. Refer to Exhibit E: "Soil Boring Logs."

For the volatile organic compound (VOC) analysis, IQS collected ten (10) grams of grab soil sample which were placed in a 25 ml vial containing 10 ml of methanol as a preservative in accordance with USEPA Method 5035. The balance of the sample was placed in a 4-ounce glass jar, sealed, and placed in an ice-filled cooler for the analysis semi-volatile, MI-10 heavy metals and moisture content. Soil samples were submitted to Fibertec Laboratory for analysis. The applicable MDEQ target method detection limits were used for all analytical tests. The tabulated test results are attached as Table-2: "Soil Sample Analytical Results" in Exhibit E.

The existing contamination in soils above Part 201 residential cleanup criteria attributes to historical usage of the Site as a foundry. Several subsurface investigations were conducted prior to the IQS' limited subsurface investigation.

All IQS' related soil borings were installed between July of 2005 and March 2006 at the Site to assess the quality of Site soil and groundwater.

The soil analytical results were compared with the current Part 201, MDEQ Generic Cleanup Criteria Table, Operation Memorandum #1, Exhibit A – "Soil: Residential and Commercial I." This criterion is based on the zoning/land use and as defined in the Part 201-Land Use Category.

Soil Contamination

Parcel-A

Volatile Organic Compounds

None of the soil samples exhibited any detection of volatile organic compounds above the target method detection limits (TMDL).

Semi-Volatile Organic Compounds

None of the soil samples exhibited any detection of semivolatile organic compounds above the target method detection limits, except SB9, which had some positive detection of some semivolatile organic compounds. However, the concentrations of the semivolatile organic compounds were below the most restrictive cleanup criteria (Drinking water and/or Groundwater Surface water Interface Criteria).

MI-10 Heavy Metals

Soil samples including SB1, SB2, SB3, SB5, SB6, SB7 and SB8 did not exhibit any metal concentrations above the most restrictive cleanup criteria. Soil sample SB4 exhibited exceedance of selenium concentration above the groundwater surface water interface protection criteria (GSIPC). Soil sample SB9 exhibited exceedance of selenium and silver concentrations above GSIPC.

Parcel-B

Volatile Organic Compounds

The soil samples including SB3, SB4, SB6, SB7, SB8 and SB9 did not show any detection of volatile organic compounds above the TMDL. Soil sample SB1 showed positive detection of VOCs above TMDL but below the most restrictive cleanup criteria. Soil sample SB5 had concentration of tetrachloroethylene above drinking water protection criteria (DWPC).

Semi-Volatile Organic Compounds

None of the soil samples exhibited any detection of semivolatile organic compounds above the target method detection limits, except SB1 and SB5, which exhibited concentration of semivolatile organic compounds above TMDL but below the most restrictive cleanup criteria.

MI-10 Heavy Metals

The soil samples including SB1, SB3 and SB9 showed concentrations of metals above TMDL but below the most restrictive cleanup criteria. Soil sample SB4 exhibited exceedance of selenium concentration above the GSIPC. Soil sample SB5 and SB6 exhibited exceedance of mercury concentration above GSIPC. Soil sample SB7 exhibited exceedance of selenium and mercury above GSIPC. Soil sample SB8 showed exceedance of lead concentration above the direct contact criteria.

Parcel-C

Volatile Organic Compounds

None of the soil samples exhibited detection of VOCs above the TMDL.

Semi-Volatile Organic Compounds

None of the soil samples exhibited any detection of semivolatile organic compounds above the target method detection limits, except SB4 and SB8, which exhibited concentration of semivolatile organic compounds above TMDL but below the most restrictive cleanup criteria.

MI-10 Heavy Metals

The soil samples including SB4, SB8 and SB10 showed concentrations of metals above TMDL but below the most restrictive cleanup criteria. Soil sample SB6 and SB12 exhibited exceedance of selenium concentration above the GSIPC and soil sample SB11 exhibited exceedance of lead concentration above the direct contact criteria and selenium concentration above GSIPC.

Parcel-D

Did not collect any soil samples from this parcel. However, collected groundwater samples from the existing monitoring wells as described below.

All existing permanent groundwater monitoring wells were installed by the former New Haven Foundry consultants at the Site. These monitoring wells have been used for monitoring the integrity of two waste piles. IQS collected groundwater samples from all the existing six monitoring wells including MW102, MW104, MW105, MW106, MW107 and MW110.

The groundwater samples were collected from these monitoring wells using a peristaltic pump. A polyethylene tube was inserted into each well and attached to the pump with silicone tubing. New tube was used for each well. The wells were initially purged until the effluent was clear of turbidity and more than three casing volumes of groundwater were purged prior to collecting sample. Once a clear sample stream was obtained, then the groundwater sample was collected. Two-hydrochloric acid preserved 40 ml VOA vials were collected for VOCs analysis and a 500-ml plastic bottle preserved with nitric acid was collected for MI-10 dissolved metals analysis. The groundwater was field filtered using the filter capsule prior to collecting sample into the 500-ml plastic for dissolved metal analysis. For the total MI-10 metal analysis, groundwater sample was collected directly into the nitric acid preserved bottle without passing through the filter capsule. The groundwater samples were placed in a cooler on ice and transferred under proper chain-of-custody procedures to the Fibertec Lab.

Groundwater Contamination

Volatile Organic Compounds

None of the groundwater samples from six monitoring wells exhibited detection of VOCs above the TMDL.

MI-10 Heavy Metals

None of the field-filtered samples showed any detection of VOCs or MI-10 metals in monitoring wells (MW105, MW106, MW107 and MW110) above the most restrictive cleanup criteria. Groundwater samples from monitoring wells MW102 and MW104 showed exceedance of selenium and lead concentrations above the cleanup criteria. However, these samples were analyzed for total metals and were not field-filtered.

The groundwater analytical data was compared with Part 201-Generic Residential and Commercial I Cleanup Criteria. The applicable cleanup criteria are compared with Drinking Water Criteria (DW) and Groundwater Surface Water Interface Criteria (GSI).

Groundwater Characteristics

Based on the soil boring logs, did not observe any water-bearing zone within the maximum soil boring depths in Parcel B and D. Due to the surface water and wetlands, groundwater table could not be established in Parcel A and D.

The closest surface water body is Fish Creek, which run from east to west through the central portion of the Site. Wetlands were observed on the west, south and east side of the Site.

The groundwater flow direction is influenced by the wetlands and was unable to compute the general groundwater flow direction. The water table is very shallow.

5.0 ENVIRONMENTAL MITIGATION ACTIVITIES

5.1 DRUM/CONTAINER WASTE DISPOSAL

On October 02, 2005 Heritage-Crystal Clean, LLC re-analyzed, overpacked and transported hazardous waste drum (Phosphoric acid). Refer to Exhibit D: "Disposal Documentation, Hazardous Waste". They also had checked the miscellaneous containers, which were identified as lab associated chemicals and found them to be empty. Based on the assessment of the Heritage-Crystal Clean, LLC, STE had disposed the empty lab containers at a municipal landfill.

Based on the analytical results Usher Oil was onsite on October 05, 2005 to purge and transport non-hazardous waste from the drums and other miscellaneous liquids. Usher oil purged approximately 2,500 gallons of oil, water and other miscellaneous contents from all the drums, small containers, AST, and other miscellaneous containers, except, the Phosphoric acid drum. The drum number 62 which was identified as a sodium hydroxide was retested by the Usher oil and found to be filled with contaminated water. Refer to Exhibit D: "Disposal Documentation."

The drums/containers were crushed after purging and cleaning the contents and were disposed –off with the foundry sand as non-hazardous waste.

5.2 FOUNDRY SAND DISPOSAL

The TCLP results were submitted to Pine Tree Acres landfill (a Waste Management landfill) for approval and authorization to accept the foundry waste. Based on the landfill review department, the TCLP metal concentrations were below hazardous levels. Landfill authorized STE to transport and dispose-off the foundry sand in their landfill.

From December 21 through 23, 2005 STE transported approximately 984 cubic yards of foundry sand to Pine Tree landfill.

The transportation and disposal of drum contents and foundry sand was conducted and completed in accordance with the approved work plan, health and safety plan and all local, State and Federal rules and regulations.

6.0 SITE RESTORATION

Following completion of all the activities including demolition, drum disposal, foundry sand disposal and other miscellaneous activities. The Site (Parcel B & C) was swept clean and all the manholes were cleaned using a vac-truck. An L-shape clay berm was constructed at the request of the township in Parcel C. This berm runs parallel to the north and east fence as shown in Figure 2. At present, the entire Parcel C is covered with concrete and Portion of Parcel B (especially proximal to the Main Street) is unpaved.

The Site is still secured with two steel gates and 6-foot fence around the perimeter of Parcel C.

7.0 SITE CLOSEOUT

Based upon the completion of various Site Assessment/Environmental Mitigation Activities, IQS concludes that the majority of the threats to human health, public welfare and the environmental has been addressed and mitigated associated with the historical use of the Site in accordance with the AOC's requirement.

Based on the IQS' opinion, STE completed the Site associated mitigation requirements as requested by the AOC. Thus IQS would recommend closing the project without any further actions, except monitoring the two waste piles.

EXHIBIT

Exhibit-A

Figures:

- Figure-1: Site Location Map
- Figure-2: Site Orientation Map

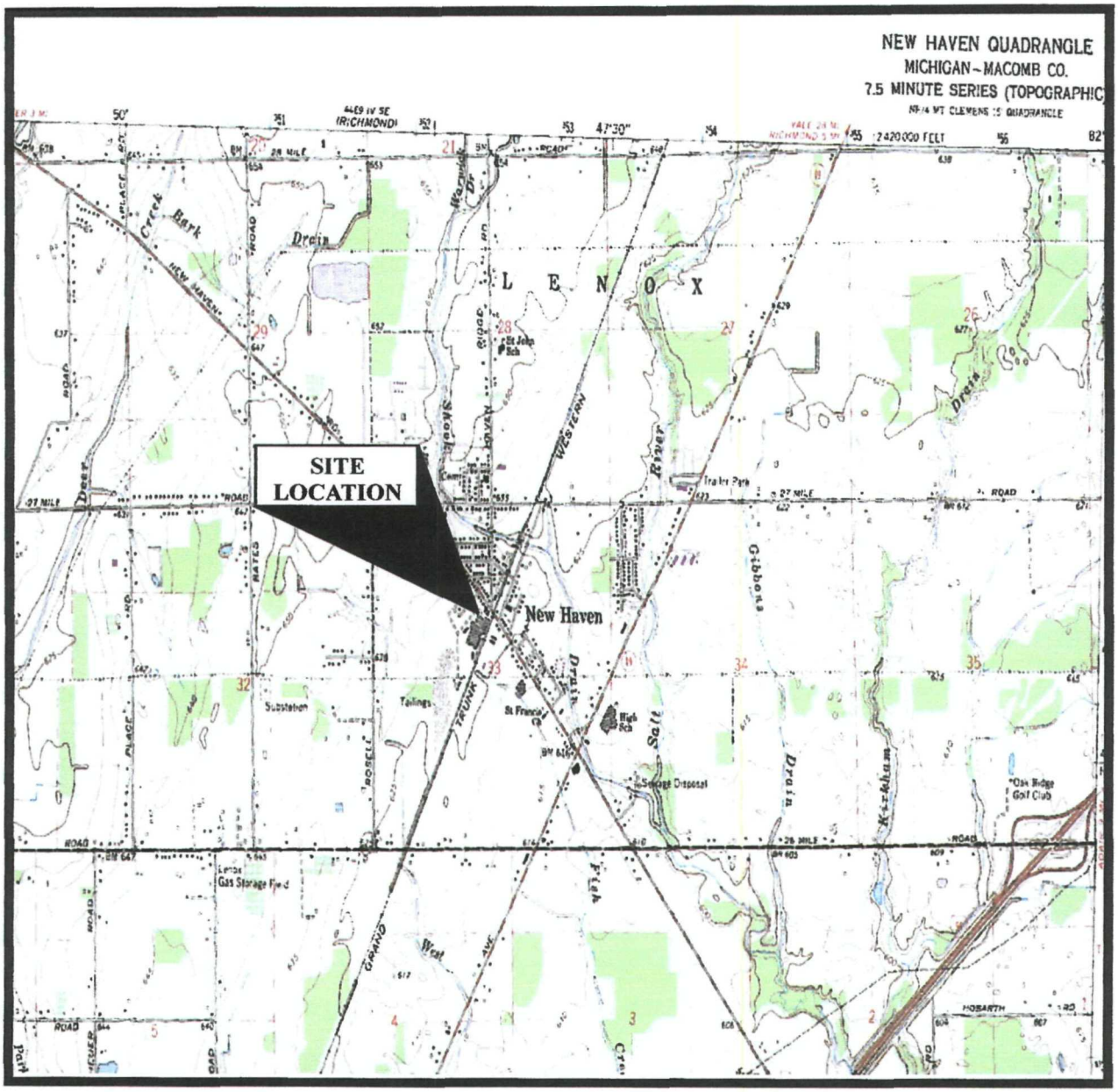


FIGURE 1 - SITE LOCATION MAP

NOT-TO-SCALE

Former New Haven Foundry
58391 Main Street
New Haven, Michigan 48048

MACOMB COUNTY
SEC 33, T 4 N, R 14 E

INNOVATIVE AND QUALITY SOLUTIONS, INC.
DATE REVISED: February 26, 2007

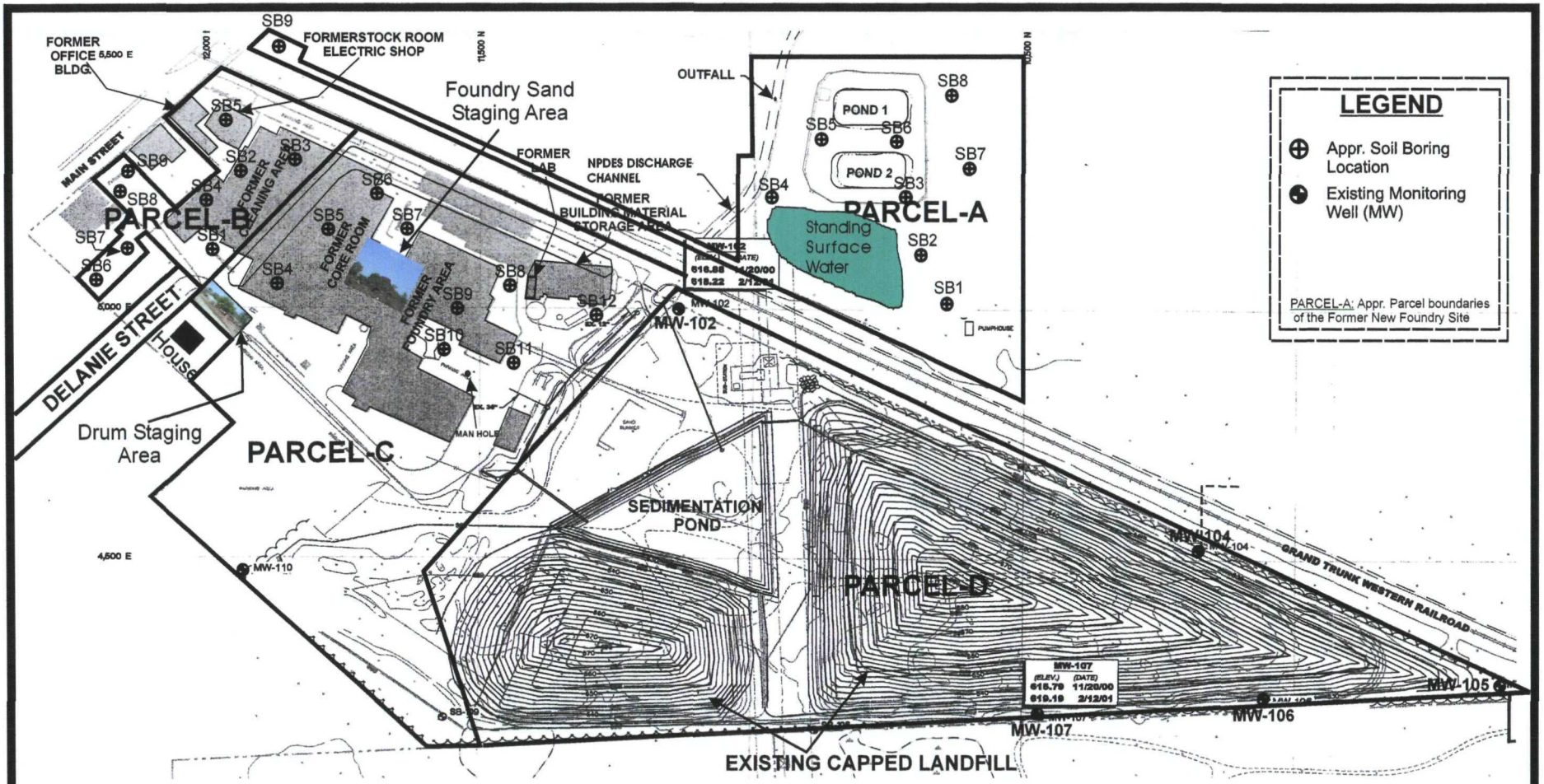


FIGURE 2 - SITE ORIENTATION MAP

FORMER NEW HAVEN FOUNDRY SITE
58391 Main Street, New Haven, Michigan 48048
Macomb County

INNOVATIVE AND QUALITY SOLUTIONS, INC.
DATE REVISED : February 26, 2007
This Figure is Adopted from RMT.

DATE: 02-26-2007

DRAWN BY: SKK

IQS PROJECT NO: NHF2004-11-14

N

Not to Scale

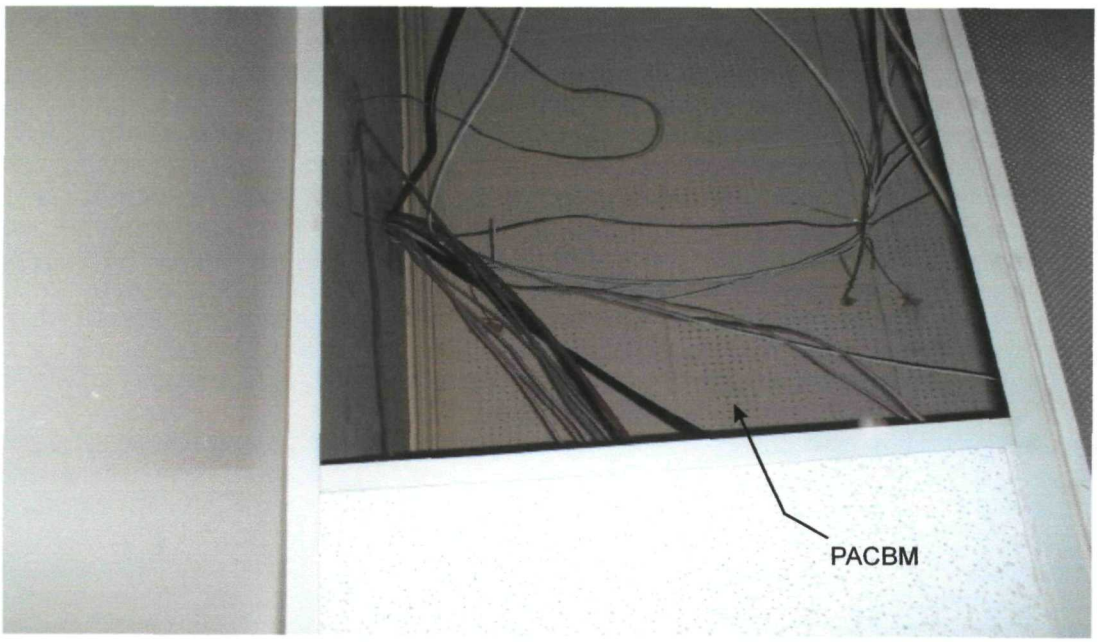
Exhibit-B

Photographs:

- Pre-demolition – Interior
- Pre-demolition – Exterior
- Post-demolition – Drum Inventory
- Post-demolition - Foundry Sand Staging, Removal and Disposal

- **Pre-demolition – Interior**

Photograph No. 1: Looking at a potential Asbestos Containing Building Material (PACBM) located behind the false ceiling in the front office building area. Refer to Figure 2 - "Site Orientation Map".
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan



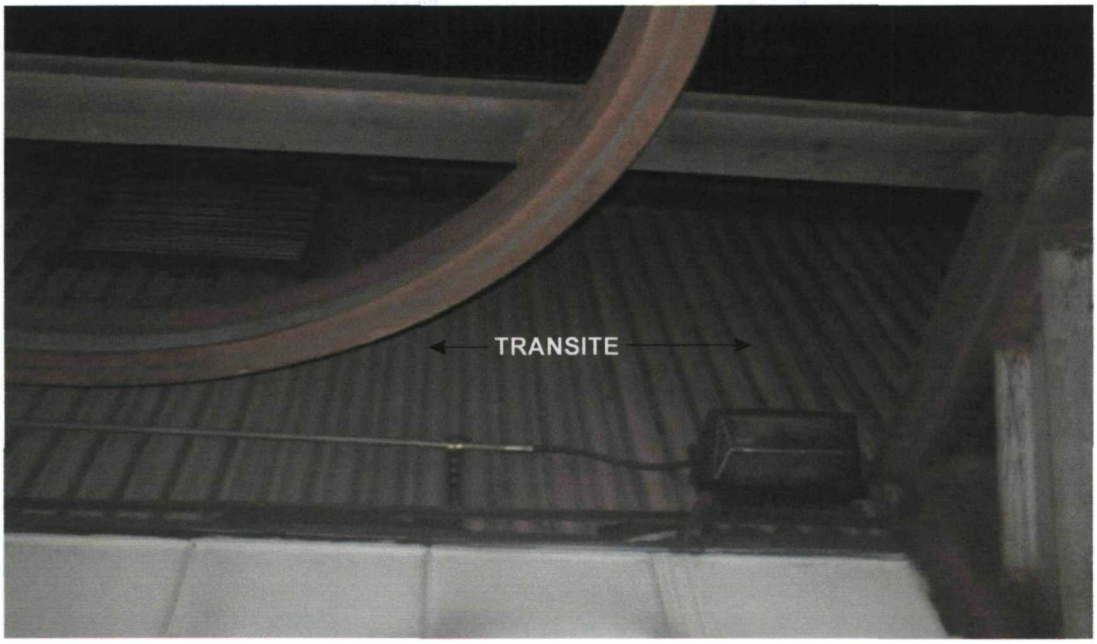
Photograph No. 2: Looking at a potential Asbestos Containing Building Material (PACBM) associated with ceiling tiles, located behind the false ceiling in the front office building area. Refer to Figure 2 - "Site Orientation Map".
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No.3 : A 5-gallon pale used oil observed in the Stock Room. Refer to Figure 2.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 4: Miscellaneous 1-gallon paints and paint based items found in the Stock Room.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 5: A 55-gallon drum stored with used motor oil was observed in the front room located on the northeast corner of the Cleaning Department Area. Refer to Figure 2.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 6: Observed two 55-gallon plastic drums with foundry sand in the Cleaning Department Area.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan



Photograph No. 7: Observed Transite Board, an Asbestos Containing Building Material (ACBM), in the Core Room Area. Refer to Figure 2.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 8: Observed Transite Board, an Asbestos Containing Building Material (ACBM), in the Core Room Area.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 7: Observed Transite Board, an Asbestos Containing Building Material (ACBM), in the Core Room Area. Refer to Figure 2.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

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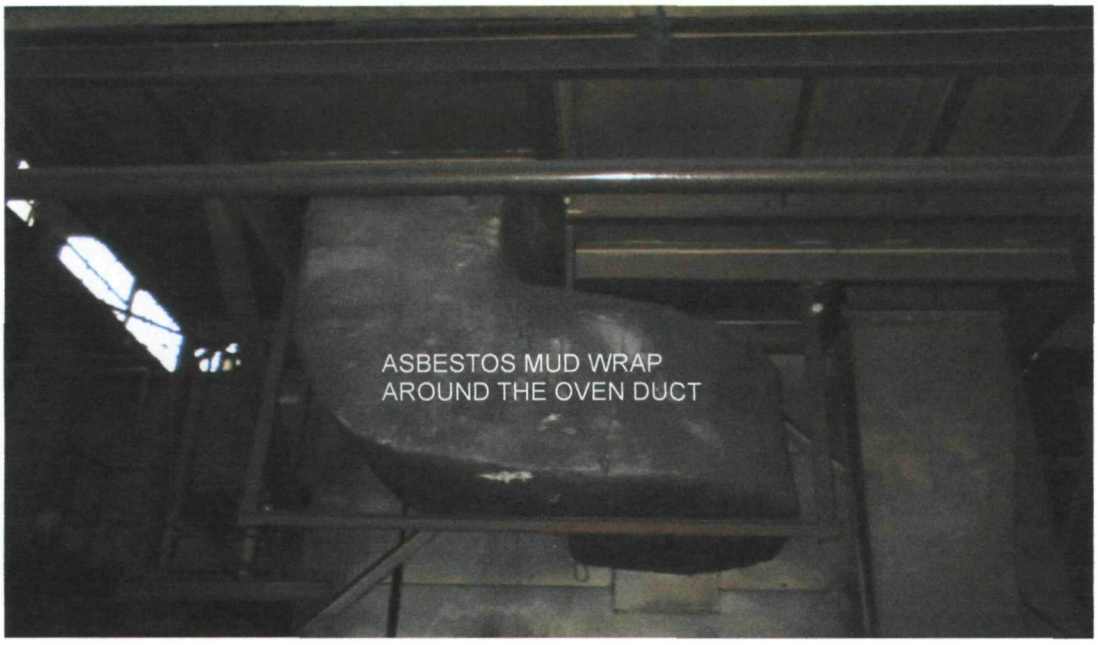
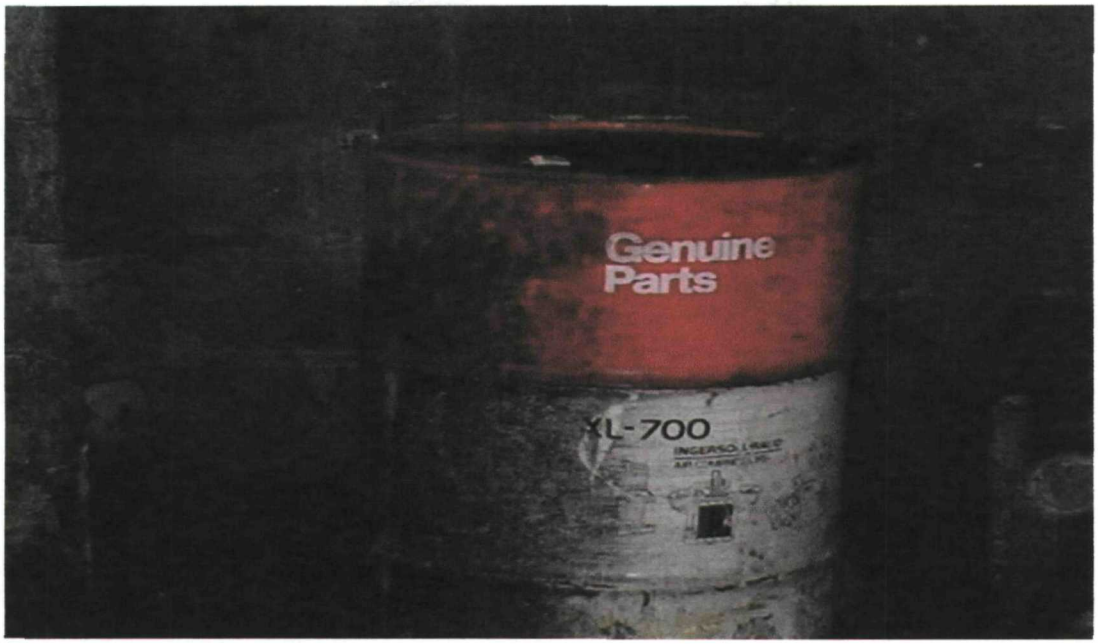
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan



Photograph No. 9: Observed friable Asbestos Containing Material associated with the two Ovens in the Core Room Area.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 10: Miscellaneous building material observed in the foundry area. All the buildings are pitch dark. All utilities to the property have been shut off.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

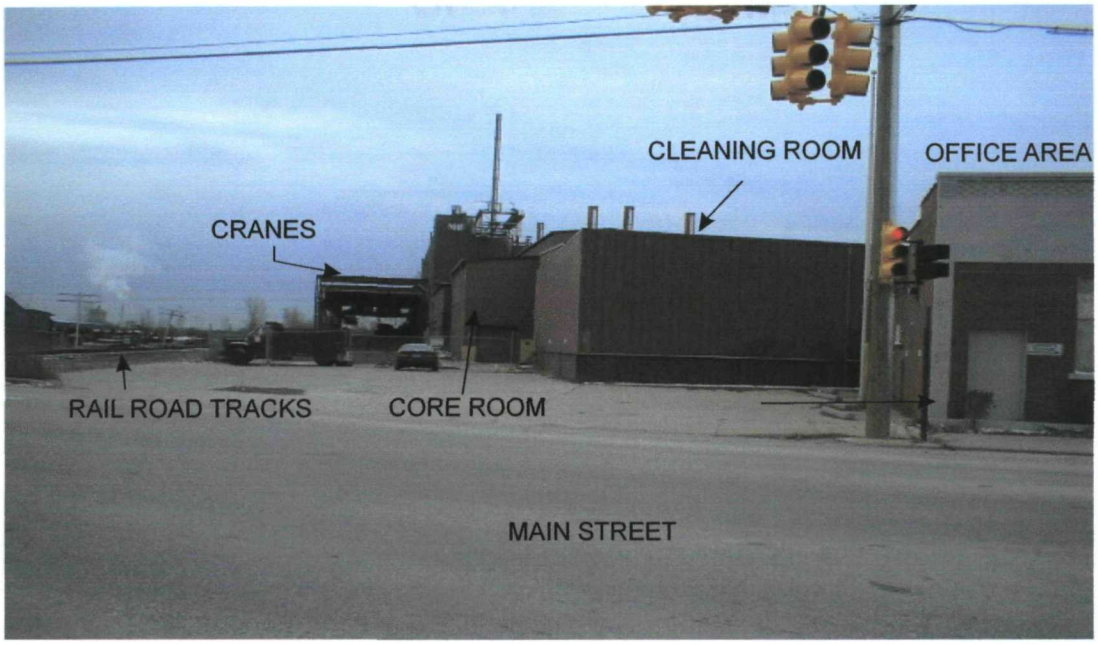


Photograph No. 11: Looking at a 55-gallon metal drum with used motor oil. This drum was observed in the foundry maintenance area behind the Drum Staging Area 2 as shown in Figure 2.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

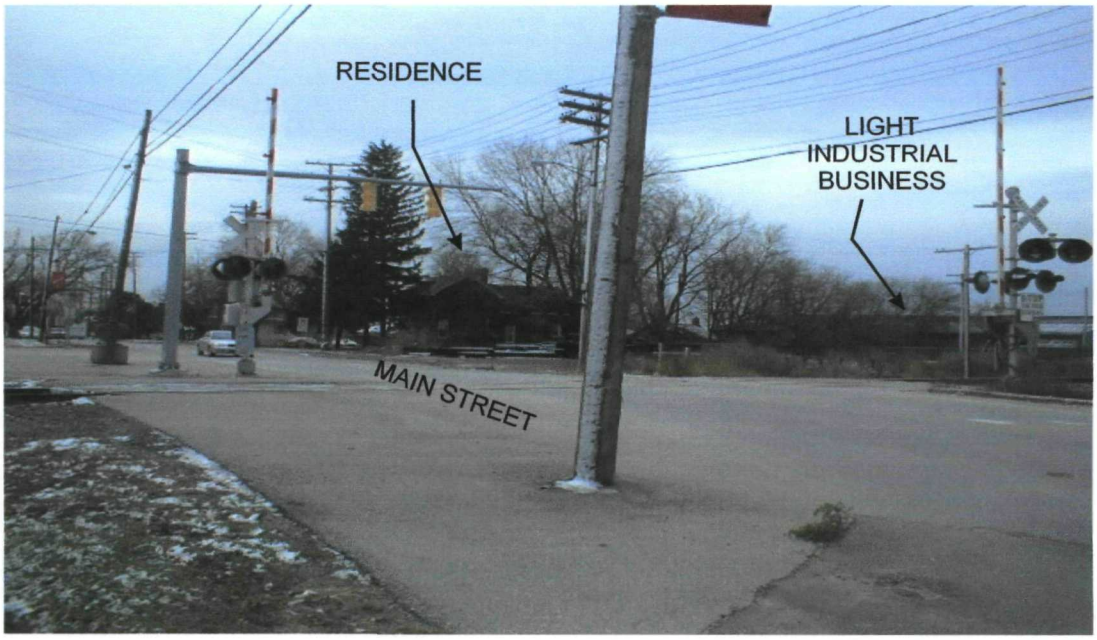
- **Pre-demolition – Exterior**

Photograph No. 1: Looking at the front office building of the Former New Haven Foundry Site. The photograph also depicts an eastern portion of the Cleaning Department Area in the background and the Main Street is seen in the foreground. The Photograph was taken from the north side of the Site.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 2: Looking northwest at the Village of New Haven United States Postal Service, Main Street on the left and a New Haven Ridge Road in the foreground.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan



Photograph No. 3: Looking southwest along the eastern portion of the Site. The photograph depicts railroad tracks on the extreme left, crane area associated with the Foundry Area, portion of the Core Room, Cleaning Department Area and the Main Office building.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan



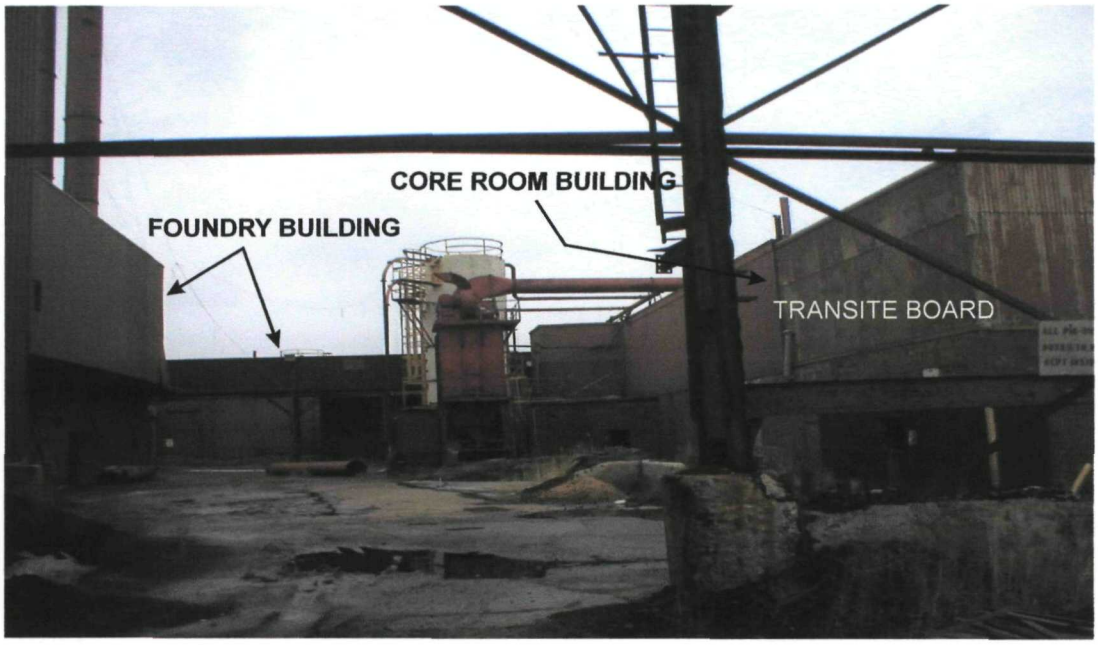
Photograph No. 4: Looking southeast from the north side of the Site.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 5: Looking west at the Historical Hotel adjacent to the Site Office building, which is seen on the left side of the photograph and other neighboring properties along the south side of the main street.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 6: Looking north from the Site. The photograph shows an abandoned commercial property just on the eastside of the railroad tracks.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 7: Looking at the Stock Room, Electric Shop and southern portion of the Office building.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 8: Looking southeast from the parking lot of the Historical Hotel at the Site. The photograph shows the Electric Shop on the left and the Cleaning Department (Cleaning Room). The Site boundaries are secured with barbed fence and gates with locks.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

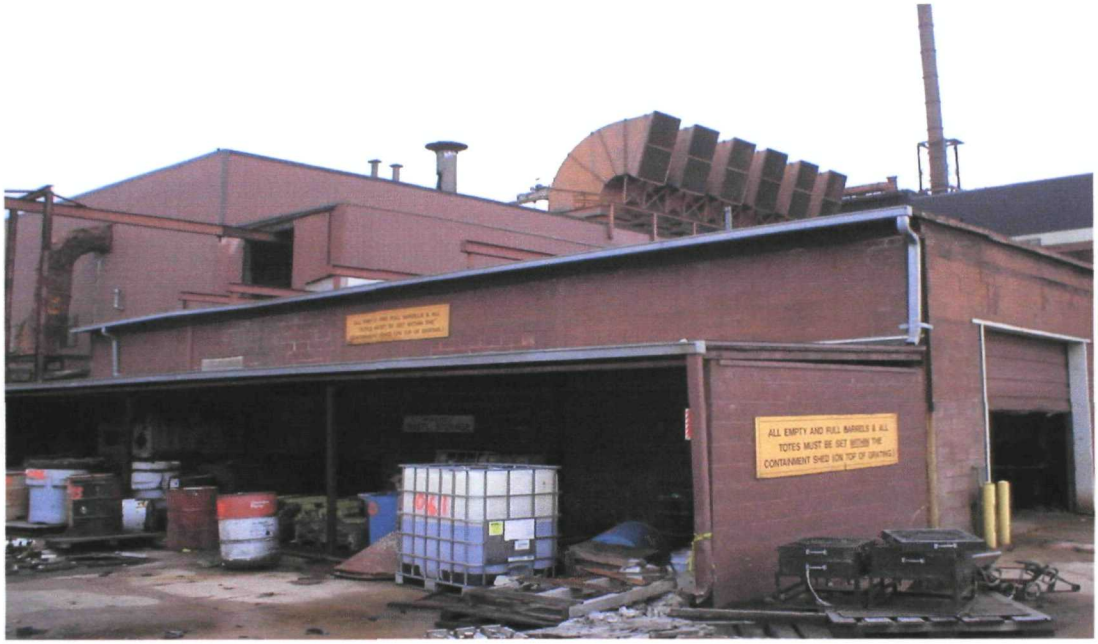


Photograph No. 11: Looking west between the Foundry Area and the Core Room Area. The photographs shows discolored surface water on the ground, compromising metal structure and transite board on the right.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 12: Looking at the coal pieces on the eastern portion of the Site.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 13: Looking at the foundry sand contaminated with heavy metals, located on the eastern portion of the Foundry building.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 14: Looking at the 6,000 gallon capacity above ground storage tank marked and used for storing machine (motor) oil. The AST is located on the south side of the Foundry building. Refer to Figure 2.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan



Photograph No. 15: Looking at the Drum Staging Area 2, located on the south side of the Foundry building. Observed several of the drums marked as hazardous waste. This area is used as a central staging area for staging chemical containers. One of the drums had phosphoric acid. Also, observed were flammable liquids, 1-4,000 gallons AST, catalyst, used hydraulic oils, used motor oils, and other industrial miscellaneous building maintenance chemicals.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

Photograph No. 16: Looking at the piled foundry sand contaminated with metals, located on the south side of the Site, just north of the sedimentation basin. Refer to Figure 2.
Photograph date: 11/26/2004
Photograph taken by: Sunil Kulkarni
Location: 58391 Main Street, New Haven, Michigan

- **Post-demolition – Drum Inventory**

Photograph No. 1: Photograph shows the drums and other miscellaneous containers staged at an undisturbed staging area during the demolition activities. These drums and miscellaneous containers were transported from several different onsite locations including former "Drum Staging Areas 1&2" and other buildings. Refer to Figure 2 the location of the staging area. This area is located just south of the Delanie Street gate and adjacent to a residence on the east.
Photograph Date: June 08, 2005;
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 2: Another look at the drum/container/AST staging area. Looking northwest from the site towards the adjacent residential area. A house is seen in the rear, behind the site boundary fence. Photograph depicts several drums, containers and an AST used for storing machine oil.
Photograph Date: June 08, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

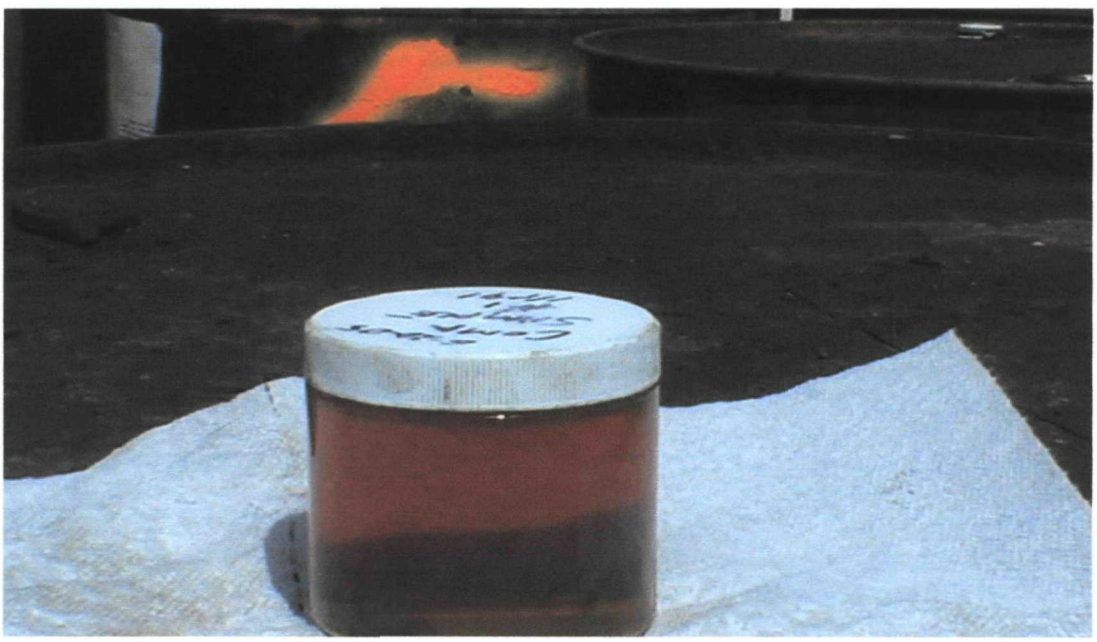
Photograph No. 3: Looking northwest at the AST, Tanks, over-pack poly and 55-gallon drums, and other miscellaneous containers in the staging area.
Photograph Date: June 08, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 4: Another look at the drum/container/AST staging area. Looking northwest from the site towards the site boundary fence which runs along the Delanie Street. Photograph depicts over-pack drums, 55-gallon drums, 5-gallon pails, 1-2 gallon several small containers, 2 poly ASTs and other miscellaneous containers.
Photograph Date: June 08, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 5: Looking at the hazardous chemical (Phosphoric Acid) in the staging area. The container was sealed and in a fair condition. No leaks.
Photograph Date: June 08, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 6: Looking at the hazardous chemical (Sodium Hydroxide) in the staging area. The container was sealed and in a fair condition. No leaks.
Photograph Date: June 08, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 7: Another closer look at the drums and miscellaneous containers.
Photograph Date: June 08, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan



Photograph No. 8: Collected composite sample (following drum inventory) from the 55-gallon oil drums for chemical analysis. Tetra Tech EMI personnel (Nancy Smith) was onsite to supervise the drum inventory and sampling.
Photograph Date: June 08, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 9: IQS field engineer (Sunil Kulkarni) checking inside of the tank for volatile organic vapors with a calibrated photo-ionization detector (PID) with the assistance of STE personnel (Eric). Tetra Tech EMI (TETRA TECH EMI (TTEMI) personnel (Nancy Smith) was taking photograph and field notes.
Photograph Date: June 08, 2005
Photograph taken by: Nancy Smith, TETRA TECH EMI (TTEMI)
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 10: Sunil Kulkarni was checking for contents in the drum.
Photograph Date: June 08, 2005
Photograph taken by: Nancy Smith, TETRA TECH EMI (TTEMI)
Location: Former New Haven Foundry, New Haven, Michigan

- **Post-demolition - Foundry Sand Staging, Removal and Disposal**

Photograph No. 1: STE (contractor) transported foundry sand from different onsite locations to this staging area for the removal and disposal to a licensed landfill. Refer to Figure 2 for staging area and Pre-demolition photographs for former foundry sand staging areas.
Photograph Date: June 8, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 2: STE (contractor) is in the process of removing and disposing-off contaminated foundry sand to Pine Tree licensed landfill.
Photograph Date: December 21, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 3: STE piled up all the contaminated material including foundry sand, emptied-oil drums, and other miscellaneous containers for disposal at an approved landfill.
Photograph Date: December 21, 2005
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Photograph No. 4: The photograph removal and disposal of piled foundry sand and other miscellaneous containers as shown in photograph 2. This photograph was taken after the completion of all the demolition activities and the environmental mitigation activities.
Photograph Date: March 25, 2006
Photograph taken by: Sunil Kulkarni
Location: Former New Haven Foundry, New Haven, Michigan

Exhibit-C

Drum Inventory Report

DRUM/CONTAINER INVENTORY SUMMARY
SITE ASSESSMENT/ENVIRONMENTAL MITIGATION ACTIVITIES REPORT
FORMER NEW HAVEN FOUNDRY SITE
NEW HAVEN, MACOMB COUNTY, MICHIGAN

Container	Size (Gallons)	Contents (Gallons)	Description of the Contents	Container Condition	Miscellaneous Comments
1	55	appr. 15	Hydraulic Oil - Yellow, Gear Oil, Misc. oil Mobil DTE Oil AA	Fair, Sealed	Metal
2	55	appr. 20			Metal
3	55	Full			Metal
4	55	3/4 full	DAG 2404, mineral spirits, PID 1700 ppm; FLAMMABLE	Fair, Sealed	Metal
5	55	Full	Blue color, gear oil	Fair, Sealed	Metal
6	55	1/2 full	Hydra shield - 8 ppm	Fair, Sealed	Metal
7	55	full	Used oil - 112 ppm	Fair, Sealed	Metal
8	55	Full	Blue in color, gear oil	Fair, Sealed	Metal
9	55	Full	Blue in color, gear oil	Fair, Sealed	Metal
10	55	Full	Blue in color, gear oil	Fair, Sealed	Metal
11	55 P	Full	Soapy Liquid	Fair, Sealed	Polyethylene drum
12	55	appr. 5-10	Mineral spirits, PID 1770ppm	Fair, Sealed	Metal
13	55	3/4 full	Blue oil	Fair, Sealed	Metal
14	55	1/2 full	Blue oil	Fair, Sealed	Metal
15	55	1/2 full	Blue oil, gear oil	Fair, Sealed	Metal
16	55	Full	Residual oil, heat shield	Fair, No cap	Metal
17	55	Full	Blue oil	Fair, Sealed	Metal
18	55	Empty	Oil	Fair, No cap	Metal
19	55	Full	Blue oil, PID 3.5 ppm	Fair, Sealed	Metal
20	55	1/4 full	Mobil oil	Fair, Sealed	Metal
21	55	Full	Blue oil, PID 7.4 ppm	Fair, Sealed	Metal
22	55	appr. 15	Oil	Fair, No cap	Metal
23	55	appr. 10	Oil, quaker chemical, PID 127 ppm	Fair, Sealed	Metal
24	55 P	1/4 full	Silicon Parting	Fair, Sealed	Polyethylene drum
25	55	Full	Hydraulic oil	Fair, Sealed	Metal
26	55	Empty	Oil	Fair, No cap	Metal
27	55 P	1/2 full	Used oil	Fair, No cap	Polyethylene drum
28	55	1/4 full	Zip 125 H-P, antifreeze, PID 0.0ppm	Fair, Sealed	Metal
29	55 P	1/2 full	Spray paint cans	Fair, Open cover	Polyethylene drum
30	55 P	1/3 full	Grease	Fair, Open cover	Polyethylene drum
31	55	appr. 15	Hydraulic oil	Fair, No cap	Metal
32	55	Full	Hydraulic oil	Fair, Sealed	Metal
33	55	Full	Hydraulic oil	Fair, Sealed	Metal
34	55 P	1/2 full	Silicone parting 16-8	Fair, Sealed	Polyethylene drum
35	55 P	1/2 full	Silicone Parting	Fair, Sealed	Polyethylene drum
36	55	3/4 full	Resin	Fair, Sealed	Metal
37	55	1/3 full	Oil	Fair, No cap	Metal
38	55	Full	Oil	Fair, Sealed	Metal
39	55	Full	Water	Fair, No cap	Metal
40	55	1/2 full	Oil, XL-700	Fair, No cap	Metal
41	55 P	1/3 full	Resin	Fair, Open cover	Polyethylene drum
42	55 P	1/2 full	Catalyst	Fair, Sealed	Polyethylene drum
43	55	Solid	Foundry sand	Fair, Open cover	Metal
44	55	Unknown	Aromatic Petroleum, bulging	Bulging, Sealed	Metal
45	55	Unknown	Aromatic Petroleum, bulging	Bulging, Sealed	Metal
46	55 P	1/3 full	Liquid	Fair, Open cover	Polyethylene drum
47	55	Empty	Oil, PID 0.0 ppm	Fair, Sealed	Metal
48	55	10"	Foundry sand	Open cover	Metal

DRUM/CONTAINER INVENTORY SUMMARY
SITE ASSESSMENT/ENVIRONMENTAL MITIGATION ACTIVITIES REPORT
FORMER NEW HAVEN FOUNDRY SITE
NEW HAVEN, MACOMB COUNTY, MICHIGAN

Container	Size (Gallons)	Contents (Gallons)	Description of the Contents	Container Condition	Miscellaneous Comments
49	55	Empty	Oil	Fair, Sealed	Metal
50	55	1/2 full	Grease	Fair, Open cover	Metal
51	55 P	Full	Mold	Fair, Open cover	Polyethylene drum
52	55	appr. 10	Oil	Fair, Sealed	Metal
53	55	Empty	Hydraulic fluid	OK, Sealed	Metal
54	55	1/2 full	Hydraulic fluid	OK, Sealed	Metal
55	55	Empty	Quaker chemical	OK, Sealed	Metal
56	55 P	90% full	Soap, green	OK, Sealed	Polyethylene drum
57	53 P	1/2 full	Lotion soap	OK, Sealed	Polyethylene drum
58	53 P	Full	Lotion soap	OK, Sealed	Polyethylene drum
59	55 P	1/2 full	Lotion soap, blue	OK, Sealed	Polyethylene drum
60	55 P	Full	Sodium hydroxide, solids	OK, Sealed	Polyethylene drum
61	95 OP	1/2 full	Dirt	OK, Covered	Polyethylene drum
62	95 OP	1/2 full	Hydraulic fluid	OK, Covered	Polyethylene drum
63	95 OP	Full	Hydraulic fluid	OK, Covered	Polyethylene drum
64	95 OP	1/4 full	Sand	OK, Open cover	Polyethylene drum
65	95 OP	Trace	Rain water	OK, Open cover	Polyethylene drum
66	95 OP	1/2 "	Soil	OK, Open cover	Polyethylene drum
67	96 OP	1/2 "	Soil	OK, Open cover	Polyethylene drum
68	25 gm P	1/2 full	Phosphoric acid 75%	Fair, Sealed	Polyethylene drum
T1	300	Empty	Liquitote systems	OK, Open cover	Metal
T2	300	appr. 5-10	Liquitote systems, Rain water	OK, Open cover	Metal
T3	300	Empty	Liquitote systems	OK, Open cover	Metal
T4	300	1/2"	Liquitote systems, Oil	Fair	Metal
T5	300	Empty	Liquitote systems	Fair	Poly tank
T6	300	Empty	Liquitote systems	Fair	Poly tank
T7	300	Empty	Liquitote systems	Fair	Poly tank
T8	330	Empty	Liquitote systems, Heat Shield 10190	Fair	Metal
T9	330	Empty	No label	OK, Open cover	Poly tank
T10	330	Empty	No label	OK, Open cover	Poly tank
T11	330	Empty	No label	OK, Open cover	Poly tank
T12	330	Empty	Liquitote systems, Heat Shield 10190	OK, Open cover	Metal
T13	330	Empty	No label	OK, Open cover	Poly tank
T14	330	1/4 solids	Liquitote systems, ethylene glycol	OK, Open cover	Poly tank
T15	500	Empty	Labeled as used oil	OK	Metal
T16	500	Empty	Petroleum distillate, observed rain water	OK, Open cover	Metal
T17	500	Empty	Petroleum distillate, observed rain water	OK, Open cover	Metal
T18	500	1/2 full	solids and sand	OK	Metal
AST19	2000	3ft	Machine oil, PID 12.2 ppm	Fair	Metal
T20	1000	Trace	Rain water and dirt, PID 0.0 ppm	OK, Open cover	Poly tank
T21	1000	Trace	Rain water and dirt, PID 0.0 ppm	OK, Open cover	Poly tank
P1	5	Empty	Concrete patch		Poly pail
P2	5	Full	DD rust inhibitor, flammable liquid	OK	Metal
P3	5	Full	Gloss paint	OK	Metal
P4	5	Full	Patching concrete	OK	Poly pail
P5	5	1/4 full	Patching concrete	OK	Poly pail
P6	5	Full	Machine enamel	OK	Metal
P7	5	Full	DD rust inhibitor, flammable liquid	OK	Metal
P8	5	Full	Enamel	OK	Metal
P9	5	1/2 full	Paint	OK	Metal
P10	5	Full	Hydraulic oil/water	OK, Open cover	Poly pail

DRUM/CONTAINER INVENTORY SUMMARY
SITE ASSESSMENT/ENVIRONMENTAL MITIGATION ACTIVITIES REPORT
FORMER NEW HAVEN FOUNDRY SITE
NEW HAVEN, MACOMB COUNTY, MICHIGAN

Container	Size (Gallons)	Contents (Gallons)	Description of the Contents	Container Condition	Miscellaneous Comments
P11	5	Full	Paint	OK	Metal
P12	4	Full	Grease	OK	Poly pail
P13	5	Full	Concrete patch	OK	Poly pail
P14	5	Empty	Hydraulic oil/water	OK	Poly pail
P15	5	1/4 full	Cleaner, degrease	OK	Poly pail
P16	5	Full	Hydraulic oil/water	OK	Poly pail
P17	5	Full	Hydraulic oil/water	OK	Poly pail
P18	5	Full	Hydraulic oil/water	OK	Poly pail
P19	5	Full	Enamel	OK	Metal
P20	5	Empty	Lubricant	OK	Poly pail
P21	5	Residue	Grease	OK	Poly pail
P22	5	1/4 full	Rain water	OK, Open cover	Poly pail
P23	5	Empty	Unknown	OK	Poly pail
P24	5	Empty	Unknown	OK	Poly pail
P25	5	Full	Lube con	OK	Metal
P26	5	Full	Lube con	OK	Metal
P27	5	Full	Lube con	OK	Metal
P28	5	Full	Lube con	OK	Metal
P29	5	Full	Lube con	OK	Metal
P30	4	1/4 full	Unknown liquid	Fair, Sealed	Metal
P31	4	1/4 full	Resin-phenol, formaldehyde	Fair, Sealed	Metal
P32	4	1/4 full	Resin-phenol, formaldehyde	Fair, Sealed	Metal
P33	4	1/4 full	Ferroslicon Dangerous when wet	Fair, Sealed	Poly pail
P34	5	Full	Oil	Fair, Sealed	Poly pail
P35	5	Full	Mudding compound	Fair, Sealed	Poly pail
P36	5	Full	Semi-synthetic petroleum base	Fair, Sealed	Metal
P37	5	Full	Paint gloss	Fair, Sealed	Metal
P38	5	Full	Paint	Fair, Sealed	Metal
P39	5	Full	Paint	Fair, Sealed	Metal
P40	5	Empty	Unknown	Fair, Sealed	Metal
P41	5	Full	Flammable Liquid	Fair, Sealed	Metal
P42	5	Full	Paint	Fair, Sealed	Metal
P43	5	1/2 full	Paint	Fair, Sealed	Metal
P44	5	1/2 full	Dry paint	Fair, Sealed	Metal
P45	5	Full	Paint	Fair, Sealed	Metal
P46	5	Full	Paint	Fair, Sealed	Metal
P47	5	Full	Paint	Fair, Sealed	Metal
P48	5	Full	Paint	Fair, Sealed	Metal
P49	5	Full	Paint	Fair, Sealed	Metal
P50	5	Full	Paint	Fair, Sealed	Metal
P51	5	1/4 full	Combustible	Fair, Sealed	Metal
P52	5	Full	Paint	Fair, Sealed	Metal
P53	5	Full	Enamel	Fair, Sealed	Metal
P54	5	Full	Enamel	Fair, Sealed	Metal
P55	5	Full	Paint	Fair, Sealed	Metal
P56	5	Empty	Hydraulic oil	Fair, Sealed	Poly pail

DRUM/CONTAINER INVENTORY SUMMARY
SITE ASSESSMENT/ENVIRONMENTAL MITIGATION ACTIVITIES REPORT
FORMER NEW HAVEN FOUNDRY SITE
NEW HAVEN, MACOMB COUNTY, MICHIGAN

MISCELLANEOUS
13 -1 Gallon containers of marking fluid
1 - 1 Gallon Lubricant
1 - 1 Gallon Degreaser
1 - 1 Gallon Hydraulic oil
2 - 1 Gallon Paint thinner
1 - 1 Gallon Bowl cleaner
1 - 1 Methylene blue dye
5 - 48oz Flammable liquid, cofix 19
1 quart Lock quick activator
Approx. 50 miscellaneous aerosol paint cans
Approx. 30 - 1 gallon paint cans & 1/2 gallon resin cans
Approx. 50 miscellaneous empty containers in steel bin

Footnote:

"1":	55 gallons steel drum
"55 P":	55 gallons polyethylene drum
"T1":	Steel tank
"1P":	Pails
"AST":	Above ground storage tank

Exhibit-D

Disposal Documentation

- Hazardous Waste
- Non-Hazardous Waste
  1. Liquids
  2. Foundry Sand

- **Hazardous Waste**

Heritage-Crystal Clean, LLC

Invoice

Billing Inquiries: (877) 938-7948
custserv@crystal-clean.com
Remit to:
13621 COLLECTIONS
CENTER DRIVE
CHICAGO, IL 60693-0136

Crystal Clean
http://www.crystal-clean.com

Service Location:	DETROIT
PO No.:	
Service Agreement:	468672
Release Info:	SA # 468672

STE CONSTRUCTION
ATTN: ACCTS PAYABLE
2 CROCKER BLVD.
MT. CLEMENS, MI 48043

Invoice No:	10563851
Date Issued:	09/13/2006
Account No:	107118
Item Total:	$120.00
Pre-paid Amount:	$0.00
Current Charges:	$120.00
Previous Amount Due:	$0.00
Total Due:	$120.00

Subject to finance charges if payment not received by 10/13/06

Svc Dt	Work Order	Product Description / Comment	Equip	Qty	Unit Price	Tax Amt	Total Cost
09/13/06	00-001X0DV	WASTE PROFILE		1	$120.00	$0.00	$120.00

INV # 10563851
acct # 107118

3136

STE CONSTRUCTION SERVICES INC.
2 CROCKER BLVD., SUITE 303
MOUNT CLEMENS, MI 48043

9-32/720 49

10/5/2006

Heritage-Crystal Clean, LLC — 120.00
One-Hundred-Twenty + .00/100
(waste profile)

CHASE
JPMorgan Chase Bank, N.A.
Detroit, Michigan 48226
www.Chase.com

New Haven Foundry - Caliber Finishing

NOT NEGOTIABLE

⑈003136⑈ ⑆072000326⑆ 686509597⑈

This form (invoice) is deemed part of the above referenced Service Agreement between Heritage-Crystal Clean, LLC and the identified customer and all terms and conditions and certifications contained therein are deemed a part hereof.

Item Total: $120.00

TO ENSURE PROPER CREDIT PLEASE INCLUDE THIS PORTION WITH YOUR PAYMENT

Heritage-Crystal Clean Remittance

Current Charges:	Invoice Number:
$120.00	10563851

NEW HAVEN FOUNDRY
58391 MAIN ST.
NEW HAVEN, MI 48048

Total Amount Due:	Amount Enclosed:	Account Number:
$120.00	120.00	107118

Change of Address ? Check box and complete other side. ☐

Payment by Mastercard, Visa, AmEx, and Check by Phone available. Check box and complete other side. ☐

Payment Due Upon Receipt

PO Number:

Remit to:

HERITAGE CRYSTAL CLEAN, LLC
13621 COLLECTIONS CENTER DRIVE
CHICAGO, IL 60693-0136

PLEASE NOTE OUR NEW REMITTANCE ADDRESS
<---------
UPDATE YOUR RECORDS TO ENSURE PROPER PROCESSING

0000107113A 0010563851 00012000 00012000 00001AL42L25 02

Heritage-Crystal Clean, LLC

Invoice

Billing Inquiries: (877) 938-7948
custserv@crystal-clean.com
Remit to:
13621 COLLECTIONS
CENTER DRIVE
CHICAGO, IL 60693-0136

Crystal Clean
http://www.crystal-clean.com

Service Location:	DETROIT
PO No.:	
Service Agreement:	468672
Release Info:	W.O. 185793

STE CONSTRUCTION
ATTN: ACCTS PAYABLE
2 CROCKER BLVD.
MT. CLEMENS, MI 48043

Invoice No:	10577932
Date Issued:	10/02/2006
Account No:	107118
Item Total:	$495.00
Pre-paid Amount:	$0.00
Current Charges:	$495.00
Previous Amount Due:	$120.00
Total Due:	$615.00

Subject to finance charges if payment not received by 11/01/06

Svc Dt	Work Order	Product Description / Comment	Equip	Qty	Unit Price	Tax Amt	Total Cost
10/2/06	00-001XDPB	55GAL NEUTRALIZATION WASTE PHOSPHORIC ACID		1	$275.00	$0.00	$275.00
10/2/06	00-001XDPB	OVERPACK DRUM W/ SERVICE OVERPACK W/ SERVICE		1	$220.00	$0.00	$220.00

STE CONSTRUCTION SERVICES INC.
2 CROCKER BLVD., SUITE 303
MOUNT CLEMENS, MI 48043

Inv. 10577932 3154
acct. 107118

9-32/720 49

10/10/2006

Heritage-Crystal Clean, LLC 495.00
Four-Hundred-Ninety-Five + 00/100

CHASE
JPMorgan Chase Bank, N.A.
Detroit, Michigan 48226
www.Chase.com

New Haven Foundry- Calvin Porter

NOT NEGOTIABLE

⑈003154⑈ ⑆072000326⑆ 686509597⑈

This form (invoice) is deemed part of the above referenced Service Agreement between Heritage-Crystal Clean, LLC and the identified customer and all terms and conditions and certifications contained therein are deemed a part hereof.

Item Total: $495.00

TO ENSURE PROPER CREDIT PLEASE INCLUDE THIS PORTION WITH YOUR PAYMENT

Heritage-Crystal Clean Remittance

Current Charges:	Invoice Number:
$495.00	10577932

NEW HAVEN FOUNDRY
58391 MAIN ST.
NEW HAVEN, MI 48048

Total Amount Due:	Amount Enclosed:	Account Number:
$615.00	495.00	107118

Change of Address ? Check box and complete other side. ☐

Payment by Mastercard, Visa, AmEx, and Check by Phone available. Check box and complete other side. ☐

Payment Due Upon Receipt

PO Number:

Remit to:

HERITAGE CRYSTAL CLEAN, LLC
13621 COLLECTIONS CENTER DRIVE
CHICAGO, IL 60693-0136

PLEASE NOTE OUR NEW REMITTANCE ADDRESS
<---------
UPDATE YOUR RECORDS TO ENSURE PROPER PROCESSING

- **Non-Hazardous Waste**
  1. Liquids
  2. Foundry Sand

1. Liquids

Approval # _____ Date 9/8/05

Pricing _____

_____

By _____

USHER

OIL COMPANY

...safely recycling since 1930

9000 ROSELAWN
DETROIT, MICHIGAN 48204
Phone (313) 834-7055 Fax (313) 834-7036

EPA ID# MID-016-985-814

USED OIL / WASTEWATER PROFILE

Please complete all applicable sections and return with a representative sample.

SECTION 1 GENERATOR INFORMATION

Generator New Haven foundry ID# ____-____-____-____

Address 58391 main ST.

City New Haven State MI Zip 48048

Contact Frank Richter Phone 586-468-1135 Fax 586-468-3456

SECTION 2 TRANSPORTER INFORMATION

Transporter Usher Oil Company ID# ____-____-____-____

Address _____

City _____ State _____ Zip _____

Contact _____ Phone _____ Fax _____

SECTION 3 BILLING INFORMATION

Customer STE Construction Services, INC. Phone 1-586-468-1135

Address 2 Cooker Blvd Fax 1-586-468-3456

City MT. Clemens State MI Zip 48043

Contact Frank Richter

SECTION 4 WASTE DESCRIPTION

Common Name Waste Oil Waste Code(s) _____

Process Generating Waste Shop maintence

Shipping Volume 750 Frequency _____ Bulk ✓ Drums _____

Generator's Signature Jack Hennessy Date 9/8/05

SECTION 5 PHYSICAL CHARACTERISTICS

Color: Brown/Black Odor: None ☑ Mild ☐ Strong ☐

Physical State: Liquid ☑ Solid ☐ Sludge ☐

Layer: Single Phase ☐ Bi-Phase ☐ Multi-Phase ☐

Density: _____ g/cc or lbs/gal Flash Point: <140°F ☐ 140 - 200°F ☑ >200°F ☐

pH: <2.0 ☐ 2.0 – 4.0 ☐ 4.1 - 10.0 ☑ 10.1 - 12.5 ☐ >12.5 ☐

SECTION 6 USED OIL RECLAMATION

Is this material regulated as a **"used oil"** by 40 CFR 279 and Michigan Act 451 Part 111? Yes ☑ No ☐

If yes, complete this section. If no, skip to Section 7.

Composition: Oil 100 % Water _____ % Solids _____ %

Total Halogens _____. If >1,000 ppm additional, F scan analysis or MSDS is required.

PCB's _____ ppm Sulphur _____ % Arsenic _____ ppm

Cadmium _____ ppm Chromium _____ ppm Lead _____ ppm

Certification of Used Oil Stream (please check all that apply):

_____ The used oil stream has been mixed with hazardous waste, which was generated by a conditionally exempt small quantity generator. See 40 C.F.R. 261.5; Mich. Admin. Code R 299.9205. (CESQG Certification Required)

_____ The used oil stream contains polychlorinated biphenyl (PCB's).

_____ The used oil stream has been mixed with a characteristic hazardous waste. See 40 C.F.R. Part 261 Subpart C; Mich. Admin. Code R 299.9212.

_____ The used oil stream contains chlorinated paraffins. (Material Safety Data Sheet Required)

_____ The used oil stream contains halogenated chemicals, which are not hazardous wastes. Please specify: _____

, hereby, certify that this used oil stream has not been mixed with, or does not contain, hazardous waste regulated under the federal Resource Conservation and Recovery Act 40 CFR Part 261 or Michigan Act 451 Part 111.

Generator's Signature Jack Hernandez HR-One Development, LLC Date 9/8/05

Print Name Jack Hernandez Title President

Please proceed to Section 7.

SECTION 7 WASTE CHARACTERIZATION

Attach laboratory analysis, MSDS or other supporting documentation.

			Waste Code(s)
1. Does the waste meet any F, K, P or U listing description before or after treatment?	☑ No	☐ Yes	
2. Does the waste exhibit the characteristic of Ignitability?	☑ No	☐ Yes	
3. Does the waste exhibit the characteristic of Corrosivity?	☑ No	☐ Yes	
4. Does the waste exhibit the characteristic of Reactivity? (e.g. Cyanide > 250 ppm or Sufide > 500 ppm.)	☑ No	☐ Yes	
5. Does the waste exhibit a TCLP Constituent above the characteristic limit ? (see section 9)	☑ No	☐ Yes	
6. Is this a non-hazardous liquid industrial waste regulated under Michigan's Act 451 (Part 121)?	☐ No	☑ Yes	
7. Does the waste contain PCB's >49 ppm or is it derived from a source containing >500 ppm?	☑ No	☐ Yes	
8. Does the facility generate any hazardous waste ?	☑ No	☐ Yes	
9. If yes, are they segregated from this waste stream?	☑ N/A	☐ Yes	
10. Would the waste have to meet "Categorical Discharge Limitations" specified in 40 CFR Parts 402 through 699, if treated on-site?	☑ No	☐ Yes	
11. Does the waste contain VOC's >500 ppm/wt.	☑ No	☐ Yes	
12. Does the waste contain total Mercury >260 ppm?	☑ No	☐ Yes	
13. Is this waste generated as a result of UST activity?	☑ No	☐ Yes	
14. Is this a fuel (gasoline or diesel) regulated recycled petroleum product (RPP)?	☑ No	☐ Yes	

SECTION 8 GENERATOR CERTIFICATION

I certify, to the best of my knowledge, that I am familiar with this waste stream through analyses and/or knowledge, and that all information submitted is true, accurate and complete and that all known or suspected hazards have been disclosed.

Jack Hamaker — Generator's Signature

HR-one Development, LLC president — Title

9/8/05 — Date

SECTION 9 TCLP CERTIFICATION

- Mark the "Yes" column to indicate which TCLP testing has been conducted. (Attach lab results).
- For those constituents not tested, mark "No" and sign the certification provided.
- Either "Yes" or "No" MUST be checked for each and every constituent.

	TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
ZHE ORGANICS*	mg/L	YES	NO	CERTIFICATION
D018 Benzene	0.5			"Based upon my knowledge of the waste
D019 Carbon Tetrachloride	0.5			And the process generating the waste,
D021 Chlorobenzene	100.0			These constituents are not present in the
D022 Chloroform	6.0			Waste above hazardous classification
D028 1,2-Dichloroethane	0.5			Levels"
D029 1,1-Dichloroethylene	0.7			
D035 Methyl Ethyl Ketone	200.0			Signed:
D039 Tetrachloroethylene	0.7			
D040 Trichloroethylene	0.5			_____
D043 Vinyl Chloride	0.2			
METALS*			NO	CERTIFICATION
D004 Arsenic	5.0			"Based upon my knowledge of the waste
D005 Barium	100.0			And the process generating the waste,
D006 Cadmium	1.0			These constituents are not present in the
D007 Chromium	5.0			Waste above hazardous classification
D008 Lead	5.0			Levels"
D009 Mercury	0.2			
D010 Selenium	1.0			Signed:
D011 Silver	5.0			
001D Copper	100.0			_____
003D Zinc	500.0			
ACID EXTRACTABLES*			NO	CERTIFICATION
D023 o-Cresol	200.0			"Based upon my knowledge of the waste
D024 m-Cresol	200.0			And the process generating the waste,
D025 p-Cresol	200.0			These constituents are not present in the
D026 Cresol	200.0			Waste above hazardous classification
D037 Pentachlorophenol	100.0			Levels"
D041 2,4,5-Trichlorophenol	400.0			
D042 2,4,6-Tricholrophenol	2.0			Signed:
				_____
BASE NEUTRAL EXTRACTABLES*			NO	CERTIFICATION
D027 1,4-Dichlorobenzene	7.5			"Based upon my knowledge of the waste
D030 2,4-Dinitrololuene	0.13			And the process generating the waste,
D032 Hexachlorobenzene	0.13			These constituents are not present in the
D033 Hexachlorobutadiene	0.5			Waste above hazardous classification
D034 Hexachloroethane	3.0			Levels"
D036 Nitrobenzene	2.0			
D038 Pyridine	5.0			Signed:
				_____
ESTICIDES*			NO	CERTIFICATION
D020 Chlordane	0.03			"Based upon my knowledge of the waste
D012 Endrin	0.02			And the process generating the waste,
D031 Heptachlor (& its hydroxide)	0.008			These constituents are not present in the
D013 Lindane	0.4			Waste above hazardous classification
D014 Methoxychlor	10.0			Levels"
D015 Toxaphene	0.5			Signed:
				_____
ERBICIDES*				Signed:
D016 2,4-D	10.0			
D017 2,4,5-TP (Silvex)	1.0			_____

USHER OIL COMPANY

safely recycling since 1930

9000 ROSELAWN
DETROIT, MICHIGAN 48204
(313)834-7055 FAX (313)834-7036

RCC 10/11/05 (TUES.)

INVOICE

INVOICE NO.	INVOICE DATE
95856	10/5/2005

BILL TO: STE CONSTRUCTION SERVICES, INC.
2 CROCKER BLVD

MT CLEMENS, MI 48043

SITE: NEW HAVEN FOUNDRY
58391 MAIN STREET

NEW HAVEN, MI 48048

PURCHASE ORDER NUMBER	DATE SHIPPED	SHIP VIA	OUR REF
	10/05/2005	USHER TRANSPORTATION,	STECONST

SALESPERSON	TERMS	NOTES
UOC	Net 30	FRANK RICHTER

QUANTITY	U/ M	MANIFEST #	DESCRIPTION	PRICE	EXTENSION
2500	GALS	10011472	DISPOSAL OF COOLANT/WATER	$0.10000	$250.00
5	HRS	10011472	TRANSPORT HRLY RATE	$75.00000	$375.00
1	LOAD	10011472	FUEL SURCHARGE	$25.00000	$25.00

TOTAL: $650.00

AZARDOUS MATERIALS DIVISION
HIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY
136702

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

se print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
MID005378781	11472		

3. Generator's Name and Mailing Address
NEW HAVEN FOUNDRY
58391 MAIN STREET NEW HAVEN, MI 48048

4. Generator's Phone ( ) (586) 468-1135

A. State Manifest Document Number: MI 10011472
B. State Generator's ID:

5. Transporter 1 Company Name: USHER TRANSPORTATION, INC.
6. US EPA ID Number: MIK949844534
C. State Transporter's ID:
D. Transporter's Phone: (313) 834-7055

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
USHER OIL COMPANY
9000 ROSELAWN
DETROIT, MI 48204
10. US EPA ID Number: MID016965814
G. State Facility's ID:
H. Facility's Phone: (313) 834-7055

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. OTHER OIL, USED OIL & WATER	001	TT	2500	G	021L
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Approval Code: a 092905-O-2

K. Handling Codes for Wastes Listed Above
A.
B.
C.
D.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY PHONE NUMBER (313) 834-7055

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Jason Richter		10 05 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
ZACK FOX	Zack Fox	10 05 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Chad Skeans	Chad Skeans	10 05 05

Form 8700-22 (Rev. 9/88)

EQP 5110
Rev 11/03

2. Foundry Sand

STE CONSTRUCTION SERVICES, INC.

2 Crocker Blvd., Suite-303 Mt. Clemens, MI 48043 (586) 468-1135 Fax (586) 468-3436

FAX COVER

(Monday)

DATE: 12/19/2005

COMPANY: _____

ATTN: Sunil -

RE: _____

_____

The following items are transmitted for the purpose of: (X) for your file, (X) as requested, ( ) for approval, ( ) for review and/or comment, ( ) for distribution.

Remarks: _____

_____

_____

_____

_____

_____

_____

Sent By: Frank Richter -

No. of Pages: 4, Including cover sheet

Please call if all pages are not received and/or are distorted. Your receipt is very important to us. Thank You.

ENVIRONMENTAL QUALITY LABORATORES, INC.
44075 Phoenix Drive
Sterling Heights, Michigan 48314-1420
Phone 586.731.1818 Fax 586.731.2590
Outside Michigan 1.800.368.5227
www.environmentalqualitylabs.com

CLIENT: STE DEMOLITION
37140 POCAHONTAS
CLINTON TOWNSHIP, MI 48036

SAMPLE NO. 1942

DESCRIPTION AND SAMPLE NUMBER: NEW HAVEN FOUNDRY
SOIL SAMPLE SAMPLE #1 FOUNDRY SAND

DATE REPORTED: 06/14/05
DATE RECEIVED: 06/09/05
SAMPLE TEMP: 4°C
DATE TCLP EXTRACTED: 06/09/05
EXTRACTION FLUID 1

REPORT OF ANALYSIS

METALS -TCLP	RDL TCLP ppM	RESULT ppM	METHOD	DATE OF ANALYSIS	ANALYST INITIALS
ARSENIC	0.010	ND	7060	06/10/05	JL
BARIUM	0.100	0.314	6010	06/10/05	JL
CADMIUM	0.001	0.009	6010	06/10/05	JL
CHROME, TOT.	0.005	ND	6010	06/10/05	JL
COPPER	0.004	0.031	6010	06/10/05	JL
LEAD	0.003	0.016	7421	06/10/05	JL
SILVER	0.0002	ND	6010	06/10/05	JL
ZINC	0.050	1.6	6010	06/10/05	JL
SELENIUM	0.005	ND	7740	06/10/05	JL
MERCURY	0.000001	ND	7470	06/10/05	JL

***NOTE: "ND" DENOTES THAT ANALYTE RESULT IS BELOW THE REPORTED REGULATORY DERIVED TARGET LIMIT OF DETECTION.**

THOMAS S. MEGNA, PRESIDENT

ALA GAJDA, LAB SUPERVISOR

REFERENCES: SW 846. ALL CURRENT EDITIONS.
las

ENVIRONMENTAL QUALITY LABORATORIES, INC
44075 Phoenix Drive
Sterling Heights, Michigan 48314-1420
(586) 731-1818 • (800) 368-5227 • Fax (586) 731-2590

Nº 0753

Chain of Custody
Analysis Request

1 Consultant: I.Q.S.
Sampler: Sunil Kulkarni Phone: 1-586-468-1135
Project: New Haven Foundry
58391 main st. New Haven, MI 48048
Fax: 1-586-468-3456

2 Sample Identification	Collection Date	Collection Time	Grab	Composite	4 Matrix: Soil	Water	Oil	Total # of Containers	5 Analysis Requested: Moisture Content	metals (TCLP)	Remarks
~~Sample #1 foundry Sand~~	6-8-05	11:00 AM		✓				1			6
Sample #1 foundry Sand	6-8-05	11		✓				1		✓	

7 Turnaround time requested, (please circle): Emergency, (Routine)
(Call to confirm Emergency turnaround time).
Rush analysis results via:
Fax#: _____ -or- Phone #: _____

8 This section MUST be signed each time the sample changes hands.

Relinquished by	Date	Time	Received by	Date	Time
	6/9/05	1.20		6/9/05	1.20

9 CONDITION OF SAMPLES UPON RECEIPT AT EQL
Sample Temp: _____ Preserve? _____ Damaged? _____
Comments: _____

In case we have questions when the samples arrive, call:
Name: Frank E. Rutter Phone: 1-586-468-1135
Send report to: STE Demolition and Environmental Service

RICHTERS ENV QUALITY LABS 15864683456 586-731-2590
06/23/2005 11:46 06/22/2005 12:36
PAGE 02

WASTE MANAGEMENT

TO:	**Frank Richter**	**DATE:**	**June 28, 2005**
COMPANY:	**STE Demolition And Environmental Services, Inc. / New Haven Foundry**	**FAX NO:**	**586-468-3456**
FROM:	**Stacey Carman Waste Management Wixom**	**PHONE: FAX:**	**1-800-WM DISPOSAL 248-596-4399**

RE: APPROVAL FOR: FOUNDRY SAND – Approval #4-1409

Number of pages including cover sheet:

Message:

Please forward a copy of the approval to the generator and communicate conditions of approval prior to disposal.

Visit our website for industrial waste profile forms, credit applications, testing parameters and frequently asked questions at WWW.MIDWESTWM.COM

Call us at 1-800 WM DISPOSAL or email us at TSCDetroit@wm.com

WASTE MANAGEMENT

Non-Hazardous Waste Approval

WMI Approval # 4-1409
Expiration Date: 07/01/2006

Sales Rep: Kathy Klein

Disposal Facility:	**Pine Tree Acres**
Generator's Name:	**New Haven Foundry**
Generator's Address:	**58391 Main St.**
County:	**Macomb**
City:	**New Haven**
State/Zip:	**MI 48048-**

Waste Description: FOUNDRY SAND
Color: Black
Odor: None
Physical State: Solid

Volume: 1250/yd **Frequency: Event** (circle one) **Year / One Time Only / One Project**

Conditions of Approval:
NO DUST HAZARDS. NO LISTED OR CHARACTERISTIC HAZARDOUS WASTE PER 40 CFR PART 261 AND MICHIGAN PART 111 OF NREPA. THE LOAD MUST BE ACCOMPANIED BY THE APPROVAL NUMBER. THIS APPROVAL IS LIMITED TO WASTE CHARACTERIZED UNDER THE GENERATOR'S WASTE PROFILE FOR FOUNDRY SAND DATED 6-22-05.

Disposal Recommendation: Landfill

Technical Representative: Jamie E. Jones **Date: 6/28/2005 11:29 AM**

Representative Signature: Jamie E. Jones

Notes:

Log Sheet

PROJECT: New Haven Foundry

REPORT NO.	DATE:	SHEET NO.	NO. TRUCKS USED:	DESCRIPTION:	TOTAL:
1.	12/21/05 (Wed.)	1.	1	Foundry Sand	216 yrd.
2.	12/22/05 (Thurs.)	1.	3	Foundry Sand	744 yrd.
3.	12/23/05 (Fri.)	1.	1	Foundry Sand	24 yrd.

Daily Hauling and Disposal Reports

Report No. 3.

Sheet No. 1.

(Fri.)

Date: 12/23/2005

Project: New Haven Foundry

Foundry Sand

Manifest Ticket #	Shipper Name	Truck #	Box #	Bid #	Unit	Unit	Unit
22907	STE	069			Gal.	24 Yrd	Tons
					Total	24 Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
				Total Qty		24	
				Owners Rep.			
				RCI Rep.			

NON-HAZARDOUS WASTE MANIFEST

NO. 22907

GENERATOR: New Haven Foundry

Transporter: STE

Vehicle No.: 069

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: HR-One Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Solid / Black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			24 TY

Generator Signature: Jack Hernandez Date: 12/22/05

Transporter Signature: [signature] Date: 12/23/05

Destination Signature: [signature] Date: 12/23/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

Daily Hauling and
Disposal Reports

Report No. 2. (Thurs.)

Sheet No. 1.

Date: 12/22/2005

Project: New Haven Foundry

Foundry Sand

Manifest Ticket #	Shipper Name	Truck #	Box #	Bid #	Unit	Unit	Unit
119374	STE	069			Gal.	24 Yrd	Tons
119359	STE	069			Gal.	24 Yrd	Tons
119360	STE	069			Gal.	24 Yrd	Tons
119369	STE	069			Gal.	24 Yrd	Tons
119370	STE	069			Gal.	24 Yrd	Tons
119362	STE	069			Gal.	24 Yrd	Tons
119363	STE	069			Gal.	24 Yrd	Tons
119364	STE	069			Gal.	24 Yrd	Tons
22908	STE	069			Gal.	24 Yrd	Tons
22910	STE	069			Gal.	24 Yrd	Tons
22914	STE	069			Gal.	24 Yrd	Tons
					Total	264 Yrd	Tons
119373	Manchik	190			Gal.	40 Yrd	Tons
119372	Manchik	190			Gal.	40 Yrd	Tons
119371	Manchik	190			Gal.	40 Yrd	Tons
119361	Manchik	190			Gal.	40 Yrd	Tons
119365	Manchik	190			Gal.	40 Yrd	Tons
119366	Manchik	190			Gal.	40 Yrd	Tons
119368	Manchik	190			Gal.	40 Yrd	Tons
22909	Manchik	190			Gal.	40 Yrd	Tons
22911	Manchik	184			Gal.	40 Yrd	Tons
22912	Manchik	190			Gal.	40 Yrd	Tons
22915	Manchik	184			Gal.	40 Yrd	Tons
22916	Manchik	190			Gal.	40 Yrd	Tons
					Total	480 Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
						744	

Total Qty.

Owners Rep.

RCI Rep.

NON-HAZARDOUS WASTE MANIFEST

NO. 119374

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 0651

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HK CVC Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 21

Generator Signature: [signature] Date: 12-21-05

Transporter Signature: [signature] Date: 12/22/05

Destination Signature: [signature] Date: 12-22-05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119359

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 0651

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HK-Oil Pump

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 21

Generator Signature: [signature] Date: 10/22/05

Transporter Signature: [signature] Date: 10/22/05

Destination Signature: [signature] Date: 10/22/05

NON-HAZARDOUS WASTE MANIFEST

NO. 119360

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 061

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HF NC Investment

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

TRANSPORTER

Generator Signature: [signature] Date: 12/22/05

Transporter Signature: [signature] Date: 12/22/05

Destination Signature: [signature] Date: 12/22/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119369

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR NE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

TRANSPORTER

Generator Signature: [signature] Date: 12/22/15

Transporter Signature: [signature] Date: 12/22/15

Destination Signature: [signature] Date: 12/22/15

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119370

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HF-ONE Production

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

Generator Signature: Mark Hernandez Date: [illegible]

Transporter Signature: [illegible] Date: [illegible]

Destination Signature: [illegible] Date: 12/20/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119362

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STC

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 34 TY

Generator Signature: _____ Date: 12-14-05

Transporter Signature: _____ Date: 12/22/05

Destination Signature: _____ Date: 12/22/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119363

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 21 TP

Generator Signature: Jack Hernandez Date: 12-22-05

Transporter Signature: Bob Rust Date: 12-22-05

Destination Signature: [signature] Date: 12/22/05

NON-HAZARDOUS WASTE MANIFEST

NO. 119364

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE
Vehicle No.: 0069
Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:
HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

Generator Signature: Jack Kennedy Date: 12-22-05

Transporter Signature: Bob Fields Date: 12/22/05

Destination Signature: K. Wiet Date: 12-22-05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 22908

GENERATOR: New Haven Foundry

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Transporter: STE

Vehicle No.: 0609

Company Responsible for Disposal Charges: HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	solid/black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			24 cy

Generator Signature: Jack Hornady Date: 12-22-05

Transporter Signature: Bob Rudder Date: 12/22/05

Destination Signature: [signature] Date: 12/22/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 22910

GENERATOR:

New Haven Foundry

Transporter: STE

Vehicle No.: 0609

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-OWE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	solid/black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			24 t.y.

Generator Signature: Jack Hernandez Date: 12-22-05

Transporter Signature: Bob Tri Sys Date: 12/22/05

Destination Signature: Kurt Date: 12-22-05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 22914

GENERATOR: New Haven Foundry

Transporter: STE

Vehicle No.: 069

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: HR ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	solid/black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			24 Cy

Generator Signature: Jack Hennessey Date: 12-22-05

Transporter Signature: Bob Date: 12/22/05

Destination Signature: [illegible] Date: 12/22/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 19373

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: MANCHIK
Vehicle No.: 190
Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:
HR ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 40 TY

Generator Signature: Jack Shaughnessy Date: 12/22/05

Transporter Signature: [signature] Date: 12/22/05

Destination Signature: [signature] Date: 12-22-05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119372

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: MARK H. K

Vehicle No.: 19C

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:
HK one Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 40 TY

Generator Signature: Mark Mungaly Date: 12/22/05

Transporter Signature: [signature] Date: 12-22-05

Destination Signature: [signature] Date: 12/22/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119371

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: Mench K

Vehicle No.: 190

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 40

Generator Signature: Todd Hernandez Date: 12-22-05

Transporter Signature: [signature] Date: 12-22-05

Destination Signature: [signature] Date: 12/22/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119361

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: Mondik

Vehicle No.: 190

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

NR-ONE Department

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 40

Generator Signature: Jack Hoernlein Date: 12-22-05

Transporter Signature: Neil Cad Date: 12-22-05

Destination Signature: [signature] Date: 12/22/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119365

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: [illegible]

Vehicle No.: [illegible]

Box No.: [illegible]

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: [illegible]

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: [illegible]

Generator Signature: [illegible] Date:

Transporter Signature: [illegible] Date: 12 22 05

Destination Signature: Date:

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119366

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: Mauchik

Vehicle No.: 190

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 40 ty

Generator Signature: Jack Hamilton Date: 12-22-05

Transporter Signature: [signature] Date: 122205

Destination Signature: [signature] Date: 12/22/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119368

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: Manchik
Vehicle No.: N/A
Box No.: _____

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 10 cy

Generator Signature: Jack Hamaday Date: 2-21-05

Transporter Signature: Jim Eagle Date: _____

Destination Signature: _____ Date: _____

NON-HAZARDOUS WASTE MANIFEST

NO. 22909

GENERATOR: New Haven Foundry

Transporter: Mulvihill

Vehicle No.: 190

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	solid/black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			40 c.y.

Generator Signature: [signature] Date: 12-22-05

Transporter Signature: [signature] Date: 12-22-05

Destination Signature: [signature] Date: 12/22/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 22911

GENERATOR: New Haven Foundry

Transporter: Monchik

Vehicle No.: 184

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Solid/Black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			40 t.y.

Generator Signature: Jack Hernandez Date: 12-22-05

Transporter Signature: Jim Eagle Date:

Destination Signature: Date: 12/22/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 22912

GENERATOR: New Haven Foundry

Transporter: ~~STC~~/Manchik

Vehicle No.: 19c

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: HR CNE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1400	Foundry Sand	Solid/Black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			40 yd -

Generator Signature: Jack Hernandez Date: 12-22-05

Transporter Signature: [signature] Date: 12.22.05

Destination Signature: [signature] Date: 12/22/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 22915

GENERATOR: New Haven Foundry

Transporter: Marchik

Vehicle No.: 184

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: HR ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	solid/black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			40 t y.

Generator Signature: Jack Hernandez Date: 12-22-05

Transporter Signature: Jim Eagle Date:

Destination Signature: Date: 12/22/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 22916

GENERATOR: New Haven Foundry

Transporter: Monk

Vehicle No.: 190

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges: HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	sol d/black	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			40 Cy

Generator Signature: [signature] Date: 12-22-05

Transporter Signature: [signature] Date: 12-22-05

Destination Signature: [signature] Date: 12/22/05

White: Generator Canary: Disposal Facility Pink: Carrier Gold: Generator

111-005M

Daily Hauling and
Disposal Reports

Report No. 1.

Sheet No. 1.

Date: (Wed.) 12/21/2005

Project: New Haven Foundry

Foundry Sand

Manifest Ticket #	Shipper Name	Truck #	Box #	Bid #	Unit	Unit	Unit
119350	STE	069			Gal.	24 Yrd	Tons
119353	STE	069			Gal.	24 Yrd	Tons
119352	STE	069			Gal.	24 Yrd	Tons
119351	STE	069			Gal.	24 Yrd	Tons
119354	STE	069			Gal.	24 Yrd	Tons
119357	STE	069			Gal.	24 Yrd	Tons
119356	STE	069			Gal.	24 Yrd	Tons
119355	STE	069			Gal.	24 Yrd	Tons
119358	STE	069			Gal.	24 Yrd	Tons
					Total	216 Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons
					Gal.	Yrd	Tons

Total Qty.	216
Owners Rep.	
RCI Rep.	

NON-HAZARDOUS WASTE MANIFEST

NO. 119350

GENERATOR:

New Haven Foundry
58391 Main St
New Haven, MI 48048

Transporter: STE

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

Generator Signature: Jack Hernandez Date: 12/21/05

Transporter Signature: Bob Rich Date: 12/21/05

Destination Signature: [illegible] Date: 12-21-05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119353

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
N/A			Tare Wt.:
CP-1			Net Wt.:
21E			Yardage: 24

Generator Signature: Frank Hernandez Date: 12/21/05

Transporter Signature: [signature] Date: 12/21/05

Destination Signature: K Hart Date: 12 21 05

NON-HAZARDOUS WASTE MANIFEST

NO. 119352

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR-ONE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

Generator Signature: Jack Hernandez Date: 12/21/05

Transporter Signature: Rob Hewlett Date: 12/21/05

Destination Signature: K Hart Date: 12-21-05

NON-HAZARDOUS WASTE MANIFEST

NO. 119351

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Transporter: STE

Vehicle No.: 069

Box No.: N/A 068-A

Company Responsible for Disposal Charges:

HR-ONC Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

Generator Signature: Jack Hernandez Date: 12/21/05

Transporter Signature: [signature] Date: 12/21/05

Destination Signature: K Hart Date: 12 21 05

NON-HAZARDOUS WASTE MANIFEST

NO. 119354

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 661

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HR Mile Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 21

TRANSPORTER

Generator Signature: _____ Date: 12/21/05

Transporter Signature: _____ Date: 12/21/05

Destination Signature: _____ Date: 12/21/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119357

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 064

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

4K Cave Backfill

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

TRANSPORTER

Generator Signature: _____ Date: 12/21/05

Transporter Signature: _____ Date: 12/21/05

Destination Signature: _____ Date: 12/21/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119356

GENERATOR:

New Haven Foundry
58391 Main St
New Haven, MI 48048

Transporter: SLC

Vehicle No.: 24

Box No.: 1/2

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

New Foundry

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

TRANSPORTER

Generator Signature: Jack Ferrell Date: 12/21/05

Transporter Signature: Bob Kuntz Date: 12/21/05

Destination Signature: 12/21/05 Date:

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119355

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STC

Vehicle No.: 069

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HK New Haven

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

TRANSPORTER

Generator Signature: [signature] Date: 12/21/05

Transporter Signature: [signature] Date: 12/21/05

Destination Signature: [signature] Date: 12/21/05

111-005M

NON-HAZARDOUS WASTE MANIFEST

NO. 119358

GENERATOR:

New Haven Foundry
58391 Main St.
New Haven, MI 48048

Transporter: STE

Vehicle No.: 0689

Box No.: N/A

DELIVER TO:

- [ ] Autumn Hills RDF (Zeeland, MI)
- [ ] Waters Landfill (Frederic, MI)
- [ ] Eagle Valley RDF (Orion, MI)
- [ ] Glen's Sanitary Landfill (Maple City, MI)
- [ ] Hastings Sanitary Services (Hastings, MI)
- [ ] McGill Road Landfill (Jackson, MI)
- [ ] Northern Oaks RDF (Harrison, MI)
- [x] Pine Tree Acres, Inc. (Lenox, MI)
- [ ] People's Landfill, Inc. (Birch Run, MI)
- [ ] Tri-City RDF (Carsonville, MI)
- [ ] Venice Park RDF (Lennon, MI)
- [ ] Westside RDF (Three Rivers, MI)
- [ ] Woodland Meadows RDF (Van Buren, MI)

Company Responsible for Disposal Charges:

HF CNE Development

Approval No.	Name of Waste Stream	Physical Description (i.e., solid, color)	Volume
4-1409	Foundry Sand	Black Solid	Gross Wt.:
			Tare Wt.:
			Net Wt.:
			Yardage: 24

TRANSPORTER

Generator Signature: Jack Hennessy Date: 12/21/05

Transporter Signature: Bob Rex Date: 12/21/05

Destination Signature: [signature] Date: 12/21/05

111-005M

Exhibit-E

Limited Subsurface Investigation Data:

- Tabulated Soil Boring Analytical Data
- Tabulated Groundwater Analytical Data
- Soil Boring Logs

TABLES

TABLE 1

Previous Chemical Usage

TABLE 1
PREVIOUS CHEMICAL USAGE/LIST OF ANALYTES
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN FOUNDRY SITE
VILLAGE OF NEW HAVEN, MICHIGAN

Volatile Organic Compounds	CAS NO.	VOLATILE ORGANIC COMP.	CAS NO.	Semi-Volatile Organic Compounds	CAS NO.	Inorganic Compounds	CAS No.
Acetone	67641	trans-1,3-Dichloropropene	542756	Acenaphthene	83329	Arsenic	7440382
Acrylonitrile	107131	Ethylbenzene	100414	Acenaphthylene	208968	Barium	7440393
Benzene	71432	Ethylene dibromide	106934	Anthracene	120127	Cadmium	7440439
Bromobenzene	108861	2-Hexanone	591786	Benzo(a)anthracene	56553	Chromium	16065831
Bromochloromethane	NA	Methyl Iodide	NA	Benzo(a)pyrene	50328	Copper	7440508
Bromodichloromethane	75274	Isopropylbenzene	98828	Benzo(b)fluoranthene	205992	Lead	7439921
Bromoform	75252	4-Methyl-2-pentanone	108101	Benzo(ghi)perylene	191242	Mercury	Varies
Bromomethane	74839	Methylene Chloride	75092	Benzo(k)fluoranthene	207089	Selenium	7782492
Methyl Ethyl Ketone	78933	2-Methylnaphthalene	91576	Chrysene	218019	Silver	7440224
n-Butylbenzene	104518	MTBE	1634044	Dibenzo(a,h)anthracene	53703	Zinc	7440666
sec-Butylbenzene	135988	Naphthalene	91203	Fluoranthene	206440		
tert-Butylbenzene	98066	n-Propylbenzene	103651	Fluorene	86737		
Carbon Disulfide	75150	Styrene	100425	Indeno(1,2,3-cd)pyrene	193395		
Carbon Tetrachloride	56235	1,1,1,2-Tetrachloroethane	630206	2-Methylnaphthanlene	91576		
Chlorobenzene	108907	1,1,2,2-Tetrachloroethane	79345	Naphthalene	91203		
Chloroethane	75003	Tetrachloroethene	127184	Phenanthrene	85018		
Chloroform	67663	Toluene	108883	Pyrene	129000		
Chloromethane	74873	1,2,4-Trichlorobenzene	120821				
2-Chlorotoluene	NA	1,1,1-Trichloroethane	71556				
Dibromochloromethane	124481	1,1,2-Trichloroethane	79005				
1,2-Dibromo-3-chloropropane	NA	Trichloroethene	79016				
Dibromoethane	NA	Trichlorofluoromethane	75694				
1,2-Dichlorobenzene	95501	1,2,3-Trichloropropane	96184				
1,3-Dichlorobenzene	541731	1,2,4-Trimethylbenzene	95636				
1,4-Dichlorobenzene	106467	1,3,5-Trimethylbenzene	108678				
Dichlorodifluoromethane	75718	Vinyl Chloride	75014				
1,1-Dichloroethane	75343	Xylene, Total	1330207				
1,2-Dichloroethane	107062						
1,1-Dichloroethene	75354						
cis-1,2-Dichloroethene	156592						
trans-1,2-Dichloroethene	156605						
1,2-Dichloropropane	78875						
cis-1,3-Dichloropropene	542756						

IQS Project No: NHF2005-06-11
Date: March 25, 2006

NA - Not Available

- **Tabulated Soil Boring Analytical Data**

TABLE 2

Analytical Results

TABLE 2A – Parcel A_Soil Analytical Results
TABLE 2B – Parcel B_Soil Analytical Results
TABLE 2C – Parcel C_Soil Analytical Results
TABLE 2D – Parcel D_Groundwater Analytical Results

TABLE 2A – Parcel A_Soil Analytical Results

TABLE 2A
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB1	NHF-PA-SO-SB2	NHF-PA-SO-SB3	NHF-PA-SO-SB4	NHF-PA-SO-SB4 Dup
				Depth: 1.5-2 feet	Depth: 1.5-2 feet	Depth: 10-10.5 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/22/06	02/22/06
Acetone	15,000	*34,000*	1,000	ND	ND	ND	ND	ND
Acrylonitrile	100 (M)	*100(M,X)*	100	ND	ND	ND	ND	ND
Benzene	100	*4,000*	50	ND	ND	ND	ND	ND
Bromobenzene	550	*NA*	100	ND	ND	ND	ND	ND
Bromodichloromethane	1,600	*ID*	100	ND	ND	ND	ND	ND
Bromoform	1,600	*ID*	100	ND	ND	ND	ND	ND
Bromomethane	200	*700*	200	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	2.6E+05	*44,000*	750	ND	ND	ND	ND	ND
n-Butylbenzene	1,600	*ID*	50	ND	ND	ND	ND	ND
sec-Butylbenzene	1,600	*ID*	50	ND	ND	ND	ND	ND
tert-Butylbenzene	1,600	*NA*	50	ND	ND	ND	ND	ND
Carbon Disulfide	16,000	*ID*	250	ND	ND	ND	ND	ND
Carbon Tetrachloride	100	*900*	50	ND	ND	ND	ND	ND
Chlorobenzene	2,000	*940*	50	ND	ND	ND	ND	ND
Chloroethane	8,600	*ID*	250	ND	ND	ND	ND	ND
Chloroform	1,600	*3,400*	50	ND	ND	ND	ND	ND
Chloromethane	5,200	*ID*	250	ND	ND	ND	ND	ND
2-Chlorotoluene	3,300	*NA*	50	ND	ND	ND	ND	ND
Dibromochloromethane	1,600	*ID*	100	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	14,000	*360*	100	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	170	*1,100*	100	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,700	*290*	100	ND	ND	ND	ND	ND
Dichlorodifluoromethane	95,000	*ID*	250	ND	ND	ND	ND	ND
1,1-Dichloroethane	18,000	*15,000*	50	ND	ND	ND	ND	ND
1,2-Dichloroethane	100	*7,200*	50	ND	ND	ND	ND	ND
1,1-Dichloroethene	140	*1,300*	50	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1,400	*12,000*	50	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2,000	*30,000*	50	ND	ND	ND	ND	ND
1,2-Dichloropropane	100	*5,800*	50	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	170	*NA*	50	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	170	*NA*	50	ND	ND	ND	ND	ND

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2A
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB1	NHF-PA-SO-SB2	NHF-PA-SO-SB3	NHF-PA-SO-SB4	NHF-PA-SO-SB4 Dup
				Depth: 1.5-2 feet	Depth: 1.5-2 feet	Depth: 10-10.5 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/22/06	02/22/06
Ethylbenzene	**1,500**	***1,500***	50	ND	ND	ND	ND	ND
Ethylene dibromide	**20**	***20***	20	ND	ND	ND	ND	ND
2-Hexanone	**20,000**	***NA***	2,500	ND	ND	ND	ND	ND
Methyl Iodide	**74,000**	***9,600***	100	ND	ND	ND	ND	ND
Isopropylbenzene	**91,000**	***ID***	250	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	**36,000**	***ID***	2,500	ND	ND	ND	ND	ND
Methylene Chloride	**100**	***19,000***	100	ND	ND	ND	ND	ND
2-Methylnaphthalene	**57,000**	***ID***	330	ND	ND	ND	ND	ND
MTBE	**800**	***15,000***	250	ND	ND	ND	ND	ND
Naphthalene	**35,000**	***870***	330	ND	ND	ND	ND	ND
n-Propylbenzene	**1,600**	***NA***	100	ND	ND	ND	ND	ND
Styrene	**2,700**	***2,200***	50	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	**1,500**	***ID***	100	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**170**	***1,600***	50	ND	ND	ND	ND	ND
Tetrachloroethene	**100**	***900***	50	ND	ND	ND	ND	ND
Toluene	**16,000**	***16,000***	100	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	**4,200**	***1,800***	330	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**4,000**	***4,000***	50	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	**100**	***6,600***	50	ND	ND	ND	ND	ND
Trichloroethene	**100**	***4,000***	50	ND	ND	ND	ND	ND
Trichlorofluoromethane	**52,000**	***NA***	100	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	**840**	***NA***	100	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**2,100**	***NA***	100	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**1,800**	***1,100***	100	ND	ND	ND	ND	ND
Vinyl Chloride	**40**	***300***	40	ND	ND	ND	ND	ND
Xylene, Total	**5,600**	***700***	150	ND	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2A
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB5	NHF-PA-SO-SB6	NHF-PA-SO-SB7	NHF-PA-SO-SB8	NHF-PA-SO-SB9
				Depth: 3.5-4 feet	Depth: 3.5-4 feet	Depth: 11.5-12 feet	Depth: 1.5-2 feet	Depth: 1.5-2 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/22/06	02/23/06
Acetone	**15,000**	***34,000***	1,000	ND	ND	ND	ND	ND
Acrylonitrile	**100 (M)**	***100(M,X)***	100	ND	ND	ND	ND	ND
Benzene	**100**	***4,000***	50	ND	ND	ND	ND	ND
Bromobenzene	**550**	***NA***	100	ND	ND	ND	ND	ND
Bromodichloromethane	**1,600**	***ID***	100	ND	ND	ND	ND	ND
Bromoform	**1,600**	***ID***	100	ND	ND	ND	ND	ND
Bromomethane	**200**	***700***	200	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	**2.6E+05**	***44,000***	750	ND	ND	ND	ND	ND
n-Butylbenzene	**1,600**	***ID***	50	ND	ND	ND	ND	ND
sec-Butylbenzene	**1,600**	***ID***	50	ND	ND	ND	ND	ND
tert-Butylbenzene	**1,600**	***NA***	50	ND	ND	ND	ND	ND
Carbon Disulfide	**16,000**	***ID***	250	ND	ND	ND	ND	ND
Carbon Tetrachloride	**100**	***900***	50	ND	ND	ND	ND	ND
Chlorobenzene	**2,000**	***940***	50	ND	ND	ND	ND	ND
Chloroethane	**8,600**	***ID***	250	ND	ND	ND	ND	ND
Chloroform	**1,600**	***3,400***	50	ND	ND	ND	ND	ND
Chloromethane	**5,200**	***ID***	250	ND	ND	ND	ND	ND
2-Chlorotoluene	**3,300**	***NA***	50	ND	ND	ND	ND	ND
Dibromochloromethane	**1,600**	***ID***	100	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**14,000**	***360***	100	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	**170**	***1,100***	100	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**1,700**	***290***	100	ND	ND	ND	ND	ND
Dichlorodifluoromethane	**95,000**	***ID***	250	ND	ND	ND	ND	ND
1,1-Dichloroethane	**18,000**	***15,000***	50	ND	ND	ND	ND	ND
1,2-Dichloroethane	**100**	***7,200***	50	ND	ND	ND	ND	ND
1,1-Dichloroethene	**140**	***1,300***	50	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	**1,400**	***12,000***	50	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	**2,000**	***30,000***	50	ND	ND	ND	ND	ND
1,2-Dichloropropane	**100**	***5,800***	50	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	**170**	***NA***	50	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	**170**	***NA***	50	ND	ND	ND	ND	ND

TABLE 2A
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB5	NHF-PA-SO-SB6	NHF-PA-SO-SB7	NHF-PA-SO-SB8	NHF-PA-SO-SB9
				Depth: 3.5-4 feet	Depth: 3.5-4 feet	Depth: 11.5-12 feet	Depth: 1.5-2 feet	Depth: 1.5-2 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/22/06	02/23/06
Ethylbenzene	**1,500**	***1,500***	50	ND	ND	ND	ND	ND
Ethylene dibromide	**20**	***20***	20	ND	ND	ND	ND	ND
2-Hexanone	**20,000**	***NA***	2,500	ND	ND	ND	ND	ND
Methyl Iodide	**74,000**	***9,600***	100	ND	ND	ND	ND	ND
Isopropylbenzene	**91,000**	***ID***	250	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	**36,000**	***ID***	2,500	ND	ND	ND	ND	ND
Methylene Chloride	**100**	***19,000***	100	ND	ND	ND	ND	ND
2-Methylnaphthalene	**57,000**	***ID***	330	ND	ND	ND	ND	ND
MTBE	**800**	***15,000***	250	ND	ND	ND	ND	ND
Naphthalene	**35,000**	***870***	330	ND	ND	ND	ND	ND
n-Propylbenzene	**1,600**	***NA***	100	ND	ND	ND	ND	ND
Styrene	**2,700**	***2,200***	50	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	**1,500**	***ID***	100	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**170**	***1,600***	50	ND	ND	ND	ND	ND
Tetrachloroethene	**100**	***900***	50	ND	ND	ND	ND	ND
Toluene	**16,000**	***16,000***	100	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	**4,200**	***1,800***	330	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**4,000**	***4,000***	50	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	**100**	***6,600***	50	ND	ND	ND	ND	ND
Trichloroethene	**100**	***4,000***	50	ND	ND	ND	ND	ND
Trichlorofluoromethane	**52,000**	***NA***	100	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	**840**	***NA***	100	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**2,100**	***NA***	100	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**1,800**	***1,100***	100	ND	ND	ND	ND	ND
Vinyl Chloride	**40**	***300***	40	ND	ND	ND	ND	ND
Xylene, Total	**5,600**	***700***	150	ND	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2A
SOIL ANALYTICAL DATA
SEMIVOLATILE ORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB1	NHF-PA-SO-SB2	NHF-PA-SO-SB3	NHF-PA-SO-SB4	NHF-PA-SO-SB5
				Depth: 1.5-2 feet	Depth: 1.5-2 feet	Depth: 10-10.5 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8270C	EPA 8270C	EPA 8270C	EPA 8270C	EPA 8270C
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/22/06	02/22/06
Acenaphthene	3.0E+05	4,400	330	ND	ND	ND	ND	ND
Acenaphthylene	5.9E+03	ID	330	ND	ND	ND	ND	ND
Anthracene	4.1E+04	ID	330	ND	ND	ND	ND	ND
Benzo(a)anthracene	NLL	NLL	330	ND	ND	ND	ND	ND
Benzo(a)pyrene	NLL	NLL	330	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NLL	NLL	330	ND	ND	ND	ND	ND
Benzo(ghi)perylene	NLL	NLL	330	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	NLL	NLL	330	ND	ND	ND	ND	ND
Chrysene	NLL	NLL	330	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NLL	NLL	330	ND	ND	ND	ND	ND
Fluoranthene	7.3E+05	5,500	330	ND	ND	ND	ND	ND
Fluorene	3.9E+05	5,300	330	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NLL	NLL	330	ND	ND	ND	ND	ND
2-Methylnaphthanlene	5.7E+04	ID	330	ND	ND	ND	ND	ND
Phenanthrene	5.6E+04	5,300	330	ND	ND	ND	ND	ND
Pyrene	4.8E+05	ID	330	ND	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

ID - Insufficient Data

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2A
SOIL ANALYTICAL DATA
SEMIVOLATILE ORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB6	NHF-PA-SO-SB7	NHF-PA-SO-SB8	NHF-PA-SO-SB9
				Depth: 3.5-4 feet	Depth: 11.5-12 feet	Depth: 1.5-2 feet	Depth: 1.5-2 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8270C	EPA 8270C	EPA 8270C	EPA 8270C
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/23/06
Acenaphthene	3.0E+05	4,400	330	ND	ND	ND	ND
Acenaphthylene	5.9E+03	ID	330	ND	ND	ND	ND
Anthracene	4.1E+04	ID	330	ND	ND	ND	ND
Benzo(a)anthracene	NLL	NLL	330	ND	ND	ND	370
Benzo(a)pyrene	NLL	NLL	330	ND	ND	ND	400
Benzo(b)fluoranthene	NLL	NLL	330	ND	ND	ND	630
Benzo(ghi)perylene	NLL	NLL	330	ND	ND	ND	ND
Benzo(k)fluoranthene	NLL	NLL	330	ND	ND	ND	ND
Chrysene	NLL	NLL	330	ND	ND	ND	460
Dibenzo(a,h)anthracene	NLL	NLL	330	ND	ND	ND	ND
Fluoranthene	7.3E+05	5,500	330	ND	ND	ND	840
Fluorene	3.9E+05	5,300	330	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NLL	NLL	330	ND	ND	ND	ND
2-Methylnaphthanlene	5.7E+04	ID	330	ND	ND	ND	ND
Phenanthrene	5.6E+04	5,300	330	ND	ND	ND	920
Pyrene	4.8E+05	ID	330	ND	ND	ND	770

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil· Residential and Commercial I."

Analytical Data is presented in ug/kg

ID - Insufficient Data

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2A
SOIL ANALYTICAL DATA
INORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB1	NHF-PA-SO-SB2	NHF-PA-SO-SB3	NHF-PA-SO-SB4	NHF-PA-SO-SB4 Dup
				Depth: 1.5-2 feet	Depth: 1.5-2 feet	Depth: 10-10.5 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 6020	EPA 6020	EPA 6020	EPA 6020	EPA 6020
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/22/06	02/22/06
Arsenic	**23,000**	***70,000***	100	2,800	1,400	3,600	3,400	2,800
Barium	**1,300,000**	***N/A***	1000	42,000	19,000	24,000	47,000	38,000
Cadmium	**6,000**	***N/A***	50	420	ND	ND	590	290
Chromium	**1,000,000,000**	***N/A***	500	12,000	6,200	6,900	12,000	11,000
Copper	**5,800,000**	***N/A***	1000	14,000	2,700	8,700	17,000	8,600
Lead	**700,000**	***N/A***	1000	130,000	12,000	5,000	71,000	19,000
Mercury	**1,700**	***100***	100	ND	ND	ND	ND	ND
Selenium	**4,000**	***400***	200	290	290	ND	***410***	210
Silver	**13,000**	***500***	500	ND	ND	ND	110	ND
Zinc	**5,000,000**	***N/A***	1000	65,000	15,000	34,000	71,000	33,000

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2A
SOIL ANALYTICAL DATA
INORGANIC COMPOUNDS
PARCEL-A
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PA-SO-SB5	NHF-PA-SO-SB6	NHF-PA-SO-SB7	NHF-PA-SO-SB8	NHF-PA-SO-SB9
				Depth: 3.5-4 feet	Depth: 3.5-4 feet	Depth: 11.5-12 feet	Depth: 1.5-2 feet	Depth: 1.5-2 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 6020	EPA 6020	EPA 6020	EPA 6020	EPA 6020
	DWPC	*GSIPC*		02/22/06	02/22/06	02/22/06	02/22/06	02/23/06
Arsenic	**23,000**	***70,000***	100	5,000	4,700	3,700	6,200	11,000
Barium	**1,300,000**	***N/A***	1000	26,000	53,000	21,000	110,000	680,000
Cadmium	**6,000**	***N/A***	50	ND	ND	ND	1,800	3,500
Chromium	**1,000,000,000**	***N/A***	500	6,400	8,300	6,000	16,000	43,000
Copper	**5,800,000**	***N/A***	1000	8,500	9,200	8,500	17,000	110,000
Lead	**700,000**	***N/A***	1000	5,400	7,100	4,800	120,000	370,000
Mercury	**1,700**	***100***	100	ND	ND	ND	ND	65
Selenium	**4,000**	***400***	200	ND	ND	ND	380	***870***
Silver	**13,000**	***500***	500	ND	ND	ND	220	***600***
Zinc	**5,000,000**	***N/A***	1000	28,000	32,000	25,000	270,000	660,000

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B – Parcel B_Soil Analytical Results

TABLE 2B
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB1	NHF-PB-SO-SB3	NHF-PB-SO-SB4	NHF-PB-SO-SB5	NHF-PB-SO-SB6
				Depth: 0-1 feet	Depth: 4-5 feet	Depth: 3.5-4 feet	Depth: 1-1.5 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 6020	EPA 8260B	EPA 8260B
	DWPC	*GSIPC*		07/28/05	07/28/05	02/23/06	02/23/06	02/23/06
Acetone	**15,000**	***34,000***	1,000	ND	ND	ND	ND	ND
Acrylonitrile	**100 (M)**	***100(M,X)***	100	ND	ND	ND	ND	ND
Benzene	**100**	***4,000***	50	ND	ND	ND	ND	ND
Bromobenzene	**550**	***NA***	100	ND	ND	ND	ND	ND
Bromodichloromethane	**1,600**	***ID***	100	ND	ND	ND	ND	ND
Bromoform	**1,600**	***ID***	100	ND	ND	ND	ND	ND
Bromomethane	**200**	***700***	200	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	**2.6E+05**	***44,000***	750	ND	ND	ND	ND	ND
n-Butylbenzene	**1,600**	***ID***	50	220	ND	ND	ND	ND
sec-Butylbenzene	**1,600**	***ID***	50	200	ND	ND	ND	ND
tert-Butylbenzene	**1,600**	***NA***	50	ND	ND	ND	ND	ND
Carbon Disulfide	**16,000**	***ID***	250	ND	ND	ND	ND	ND
Carbon Tetrachloride	**100**	***900***	50	ND	ND	ND	ND	ND
Chlorobenzene	**2,000**	***940***	50	ND	ND	ND	ND	ND
Chloroethane	**8,600**	***ID***	250	ND	ND	ND	ND	ND
Chloroform	**1,600**	***3,400***	50	ND	ND	ND	ND	ND
Chloromethane	**5,200**	***ID***	250	ND	ND	ND	ND	ND
2-Chlorotoluene	**3,300**	***NA***	50	ND	ND	ND	ND	ND
Dibromochloromethane	**1,600**	***ID***	100	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**14,000**	***360***	100	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	**170**	***1,100***	100	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**1,700**	***290***	100	ND	ND	ND	ND	ND
Dichlorodifluoromethane	**95,000**	***ID***	250	ND	ND	ND	ND	ND
1,1-Dichloroethane	**18,000**	***15,000***	50	110	ND	ND	ND	ND
1,2-Dichloroethane	**100**	***7,200***	50	ND	ND	ND	ND	ND
1,1-Dichloroethene	**140**	***1,300***	50	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	**1,400**	***12,000***	50	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	**2,000**	***30,000***	50	ND	ND	ND	ND	ND
1,2-Dichloropropane	**100**	***5,800***	50	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	**170**	***NA***	50	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	**170**	***NA***	50	ND	ND	ND	ND	ND
Ethylbenzene	**1,500**	***1,500***	50	220	ND	ND	ND	ND
Ethylene dibromide	**20**	***20***	20	ND	ND	ND	ND	ND
2-Hexanone	**20,000**	***NA***	2,500	ND	ND	ND	ND	ND
Methyl Iodide	**74,000**	***9,600***	100	ND	ND	ND	ND	ND

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB1	NHF-PB-SO-SB3	NHF-PB-SO-SB4	NHF-PB-SO-SB5	NHF-PB-SO-SB6
				Depth: 0-1 feet	Depth: 4-5 feet	Depth: 3.5-4 feet	Depth: 1-1.5 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 6020	EPA 8260B	EPA 8260B
	DWPC	*GSIPC*		*07/28/05*	*07/28/05*	*02/23/06*	*02/23/06*	*02/23/06*
Isopropylbenzene	**91,000**	***ID***	250	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	**36,000**	***ID***	2,500	ND	ND	ND	ND	ND
Methylene Chloride	**100**	***19,000***	100	ND	ND	ND	ND	ND
2-Methylnaphthalene	**57,000**	***ID***	330	ND	ND	ND	ND	ND
MTBE	**800**	***15,000***	250	ND	ND	ND	ND	ND
Naphthalene	**35,000**	***870***	330	460	ND	ND	ND	ND
n-Propylbenzene	**1,600**	***NA***	100	280	ND	ND	ND	ND
Styrene	**2,700**	***2,200***	50	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	**1,500**	***ID***	100	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**170**	***1,600***	50	ND	ND	ND	ND	ND
Tetrachloroethene	**100**	***900***	50	ND	ND	ND	**700**	ND
Toluene	**16,000**	***16,000***	100	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	**4,200**	***1,800***	330	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**4,000**	***4,000***	50	ND	ND	ND	65	ND
1,1,2-Trichloroethane	**100**	***6,600***	50	ND	ND	ND	ND	ND
Trichloroethene	**100**	***4,000***	50	ND	ND	ND	ND	ND
Trichlorofluoromethane	**52,000**	***NA***	100	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	**840**	***NA***	100	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**2,100**	***NA***	100	770	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**1,800**	***1,100***	100	1,400	ND	ND	ND	ND
Vinyl Chloride	**40**	***300***	40	ND	ND	ND	ND	ND
Xylene, Total	**5,600**	***700***	150	880	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB7	NHF-PB-SO-SB7 DUP	NHF-PB-SO-SB8	NHF-PB-SO-SB9
				Depth: 2.5-3 feet	Depth: 2.5-3 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	GSIPC		02/23/06	02/23/06	02/23/06	02/23/06
Acetone	15,000	34,000	1,000	ND	ND	ND	ND
Acrylonitrile	100 (M)	100(M,X)	100	ND	ND	ND	ND
Benzene	100	4,000	50	ND	ND	ND	ND
Bromobenzene	550	NA	100	ND	ND	ND	ND
Bromodichloromethane	1,600	ID	100	ND	ND	ND	ND
Bromoform	1,600	ID	100	ND	ND	ND	ND
Bromomethane	200	700	200	ND	ND	ND	ND
Methyl Ethyl Ketone	2.6E+05	44,000	750	ND	ND	ND	ND
n-Butylbenzene	1,600	ID	50	ND	ND	ND	ND
sec-Butylbenzene	1,600	ID	50	ND	ND	ND	ND
tert-Butylbenzene	1,600	NA	50	ND	ND	ND	ND
Carbon Disulfide	16,000	ID	250	ND	ND	ND	ND
Carbon Tetrachloride	100	900	50	ND	ND	ND	ND
Chlorobenzene	2,000	940	50	ND	ND	ND	ND
Chloroethane	8,600	ID	250	ND	ND	ND	ND
Chloroform	1,600	3,400	50	ND	ND	ND	ND
Chloromethane	5,200	ID	250	ND	ND	ND	ND
2-Chlorotoluene	3,300	NA	50	ND	ND	ND	ND
Dibromochloromethane	1,600	ID	100	ND	ND	ND	ND
1,2-Dichlorobenzene	14,000	360	100	ND	ND	ND	ND
1,3-Dichlorobenzene	170	1,100	100	ND	ND	ND	ND
1,4-Dichlorobenzene	1,700	290	100	ND	ND	ND	ND
Dichlorodifluoromethane	95,000	ID	250	ND	ND	ND	ND
1,1-Dichloroethane	18,000	15,000	50	ND	ND	ND	ND
1,2-Dichloroethane	100	7,200	50	ND	ND	ND	ND
1,1-Dichloroethene	140	1,300	50	ND	ND	ND	ND
cis-1,2-Dichloroethene	1,400	12,000	50	ND	ND	ND	ND
trans-1,2-Dichloroethene	2,000	30,000	50	ND	ND	ND	ND
1,2-Dichloropropane	100	5,800	50	ND	ND	ND	ND
cis-1,3-Dichloropropene	170	NA	50	ND	ND	ND	ND
trans-1,3-Dichloropropene	170	NA	50	ND	ND	ND	ND
Ethylbenzene	1,500	1,500	50	ND	ND	ND	ND
Ethylene dibromide	20	20	20	ND	ND	ND	ND
2-Hexanone	20,000	NA	2,500	ND	ND	ND	ND
Methyl Iodide	74,000	9,600	100	ND	ND	ND	ND

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB7	NHF-PB-SO-SB7 DUP	NHF-PB-SO-SB8	NHF-PB-SO-SB9
				Depth: 2.5-3 feet	Depth: 2.5-3 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	GSIPC		02/23/06	02/23/06	02/23/06	02/23/06
Isopropylbenzene	91,000	ID	250	ND	ND	ND	ND
4-Methyl-2-pentanone	36,000	ID	2,500	ND	ND	ND	ND
Methylene Chloride	100	19,000	100	ND	ND	ND	ND
2-Methylnaphthalene	57,000	ID	330	ND	ND	ND	ND
MTBE	800	15,000	250	ND	ND	ND	ND
Naphthalene	35,000	870	330	ND	ND	ND	ND
n-Propylbenzene	1,600	NA	100	ND	ND	ND	ND
Styrene	2,700	2,200	50	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1,500	ID	100	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	170	1,600	50	ND	ND	ND	ND
Tetrachloroethene	100	900	50	ND	ND	ND	ND
Toluene	16,000	16,000	100	ND	ND	ND	ND
1,2,4-Trichlorobenzene	4,200	1,800	330	ND	ND	ND	ND
1,1,1-Trichloroethane	4,000	4,000	50	ND	ND	ND	ND
1,1,2-Trichloroethane	100	6,600	50	ND	ND	ND	ND
Trichloroethene	100	4,000	50	ND	ND	ND	ND
Trichlorofluoromethane	52,000	NA	100	ND	ND	ND	ND
1,2,3-Trichloropropane	840	NA	100	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2,100	NA	100	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1,800	1,100	100	ND	ND	ND	ND
Vinyl Chloride	40	300	40	ND	ND	ND	ND
Xylene, Total	5,600	700	150	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to part 201"Generic Criteria Tables.

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B
SOIL ANALYTICAL DATA
SEMIVOLATILE ORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB1	NHF-PB-SO-SB3	NHF-PB-SO-SB4	NHF-PB-SO-SB5	NHF-PB-SO-SB6
				Depth: 0-1 feet	Depth: 4-5 feet	Depth: 3.5-4 feet	Depth: 1-1.5 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8270C	EPA 8270C	EPA 6020	EPA 8270C	EPA 8270C
	DWPC	*GSIPC*		07/28/05	07/28/05	02/23/05	02/23/05	02/23/06
Acenaphthene	3.0E+05	4,400	330	ND	ND	ND	ND	ND
Acenaphthylene	5.9E+03	ID	330	ND	ND	ND	ND	ND
Anthracene	4.1E+04	ID	330	ND	ND	ND	ND	ND
Benzo(a)anthracene	NLL	NLL	330	870	ND	ND	ND	ND
Benzo(a)pyrene	NLL	NLL	330	1,100	ND	ND	ND	ND
Benzo(b)fluoranthene	NLL	NLL	330	1,500	ND	ND	ND	ND
Benzo(ghi)perylene	NLL	NLL	330	690	ND	ND	ND	ND
Benzo(k)fluoranthene	NLL	NLL	330	490	ND	ND	ND	ND
Chrysene	NLL	NLL	330	1,300	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NLL	NLL	330	ND	ND	ND	ND	ND
Fluoranthene	7.3E+05	5,500	330	1,000	ND	ND	2,900	ND
Fluorene	3.9E+05	5,300	330	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NLL	NLL	330	640	ND	ND	ND	ND
2-Methylnaphthanlene	5.7E+04	ID	330	380	ND	ND	ND	ND
Phenanthrene	5.6E+04	5,300	330	470	ND	ND	ND	ND
Pyrene	4.8E+05	ID	330	850	ND	ND	2,300	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is comPBred to PBrt 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

ID - Insufficient Data

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B
SOIL ANALYTICAL DATA
SEMIVOLATILE ORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB7	NHF-PB-SO-SB7 DUP	NHF-PB-SO-SB8	NHF-PB-SO-SB9
				Depth: 2.5-3 feet	Depth: 2.5-3 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8270C	EPA 8270C	EPA 8270C	EPA 8270C
	DWPC	*GSIPC*		02/23/06	02/23/06	02/23/06	02/23/06
Acenaphthene	3.0E+05	4,400	330	ND	ND	ND	ND
Acenaphthylene	5.9E+03	ID	330	ND	ND	ND	ND
Anthracene	4.1E+04	ID	330	ND	ND	ND	ND
Benzo(a)anthracene	NLL	NLL	330	ND	ND	ND	ND
Benzo(a)pyrene	NLL	NLL	330	ND	ND	ND	ND
Benzo(b)fluoranthene	NLL	NLL	330	ND	ND	ND	ND
Benzo(ghi)perylene	NLL	NLL	330	ND	ND	ND	ND
Benzo(k)fluoranthene	NLL	NLL	330	ND	ND	ND	ND
Chrysene	NLL	NLL	330	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NLL	NLL	330	ND	ND	ND	ND
Fluoranthene	7.3E+05	5,500	330	ND	ND	ND	ND
Fluorene	3.9E+05	5,300	330	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NLL	NLL	330	ND	ND	ND	ND
2-Methylnaphthanlene	5.7E+04	ID	330	ND	ND	ND	ND
Phenanthrene	5.6E+04	5,300	330	ND	ND	ND	ND
Pyrene	4.8E+05	ID	330	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is comPBred to PBrt 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

ID - Insufficient Data

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B
SOIL ANALYTICAL DATA
INORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB1	NHF-PB-SO-SB3	NHF-PB-SO-SB4	NHF-PB-SO-SB5	NHF-PB-SO-SB6
				Depth: 0-1 feet	Depth: 4-5 feet	Depth: 3.5-4 feet	Depth: 1-1.5 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 6020	EPA 6020	EPA 6020	EPA 6020	EPA 6020
	DWPC	*GSIPC*		07/28/05	07/28/05	02/23/05	02/23/06	02/23/06
Arsenic	**23,000**	***70,000***	100	1,700	3,700	2,900	6,800	4,900
Barium	**1,300,000**	***N/A***	1000	82,000	110,000	140,000	76,000	96,000
Cadmium	**6,000**	***N/A***	50	120	140	200	290	1,100
Chromium	**1,000,000,000**	***N/A***	500	14,000	17,000	25,000	14,000	14,000
Copper	**5,800,000**	***N/A***	1000	6,700	10,000	12,000	14,000	17,000
Lead	**700,000**	***N/A***	1000	10,000	10,000	13,000	33,000	130,000
Mercury	**1,700**	***100***	100	ND	ND	ND	***920***	***150***
Selenium	**4,000**	***400***	200	300	240	***460***	310	380
Silver	**13,000**	***500***	500	ND	ND	ND	ND	ND
Zinc	**5,000,000**	***N/A***	1000	42,000	13,000	76,000	64,000	200,000

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

" - Above Direct Contact Cleanup Criteria

All Analytical Data is comPBred to PBrt 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil· Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2B
SOIL ANALYTICAL DATA
INORGANIC COMPOUNDS
PARCEL-B
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PB-SO-SB7	NHF-PB-SO-SB7 DUP	NHF-PB-SO-SB8	NHF-PB-SO-SB9
				Depth: 2.5-3 feet	Depth: 2.5-3 feet	Depth: 3.5-4 feet	Depth: 3.5-4 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 6020	EPA 6020	EPA 6020	EPA 6020
	DWPC	*GSIPC*		02/23/06	02/22/06	02/23/06	02/23/06
Arsenic	**23,000**	***70,000***	100	6,500	7,800	3,200	820
Barium	**1,300,000**	***N/A***	1000	190,000	210,000	16,000	16,000
Cadmium	**6,000**	***N/A***	50	1,600	1,300	ND	ND
Chromium	**1,000,000,000**	***N/A***	500	23,000	13,000	49,000	3,600
Copper	**5,800,000**	***N/A***	1000	62,000	40,000	29,000	ND
Lead	**700,000**	***N/A***	1000	290,000	310,000	**5,000,000***	2,200
Mercury	**1,700**	***100***	100	***340***	***770***	ND	ND
Selenium	**4,000**	***400***	200	***480***	***690***	ND	ND
Silver	**13,000**	***500***	500	280	***540***	200	ND
Zinc	**5,000,000**	***N/A***	1000	310,000	320,000	23,000	6,700

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

* - Above Direct Contact Cleanup Criteria

All Analytical Data is comPBred to PBrt 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

TABLE 2C – Parcel C_Soil Analytical Results

TABLE 2C
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-C
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE		TMDL	NHF-PC-SO-SB4	NHF-PC-SO-SB6	NHF-PC-SO-SB8	NHF-PC-SO-SB10	NHF-PC-SO-SB11	NHF-PC-SO-SB12
				Depth: 1-2 feet	Depth: 4-5 feet	Depth: 4-5 feet	Depth: 8-9 feet	Depth: 3.5-4 feet	Depth: 6.5-7 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	GSIPC		07/28/05	07/28/05	07/28/05	07/28/05	02/22/06	02/22/06
Acetone	15,000	34,000	1,000	ND	ND	ND	ND	ND	ND
Acrylonitrile	100 (M)	100(M,X)	100	ND	ND	ND	ND	ND	ND
Benzene	100	4,000	50	ND	ND	ND	ND	ND	ND
Bromobenzene	550	NA	100	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1,600	ID	100	ND	ND	ND	ND	ND	ND
Bromoform	1,600	ID	100	ND	ND	ND	ND	ND	ND
Bromomethane	200	700	200	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	######	44,000	750	ND	ND	ND	ND	ND	ND
n-Butylbenzene	1,600	ID	50	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1,600	ID	50	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1,600	NA	50	ND	ND	ND	ND	ND	ND
Carbon Disulfide	16,000	ID	250	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	100	900	50	ND	ND	ND	ND	ND	ND
Chlorobenzene	2,000	940	50	ND	ND	ND	ND	ND	ND
Chloroethane	8,600	ID	250	ND	ND	ND	ND	ND	ND
Chloroform	1,600	3,400	50	ND	ND	ND	ND	ND	ND
Chloromethane	5,200	ID	250	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	3,300	NA	50	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1,600	ID	100	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	14,000	360	100	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	170	1,100	100	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,700	290	100	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	95,000	ID	250	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	18,000	15,000	50	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	100	7,200	50	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	140	1,300	50	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1,400	12,000	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2,000	30,000	50	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	100	5,800	50	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	170	NA	50	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	170	NA	50	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,500	1,500	50	ND	ND	ND	ND	ND	ND
Ethylene dibromide	20	20	20	ND	ND	ND	ND	ND	ND
2-Hexanone	20,000	NA	2,500	ND	ND	ND	ND	ND	ND
Methyl Iodide	74,000	9,600	100	ND	ND	ND	ND	ND	ND
Isopropylbenzene	91,000	ID	250	ND	ND	ND	ND	ND	ND

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2C
SOIL ANALYTICAL DATA
VOLATILE ORGANIC COMPOUNDS
PARCEL-C
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE		TMDL	NHF-PC-SO-SB4	NHF-PC-SO-SB6	NHF-PC-SO-SB8	NHF-PC-SO-SB10	NHF-PC-SO-SB11	NHF-PC-SO-SB12
				Depth: 1-2 feet	Depth: 4-5 feet	Depth: 4-5 feet	Depth: 8-9 feet	Depth: 3.5-4 feet	Depth: 6.5-7 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
	DWPC	*GSIPC*		07/28/05	07/28/05	07/28/05	07/28/05	02/22/06	02/22/06
4-Methyl-2-pentanone	**36,000**	***ID***	2,500	ND	ND	ND	ND	ND	ND
Methylene Chloride	**100**	***19,000***	100	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	**57,000**	***ID***	330	ND	ND	ND	ND	ND	ND
MTBE	**800**	***15,000***	250	ND	ND	ND	ND	ND	ND
Naphthalene	**35,000**	***870***	330	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**1,600**	***NA***	100	ND	ND	ND	ND	ND	ND
Styrene	**2,700**	***2,200***	50	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	**1,500**	***ID***	100	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**170**	***1,600***	50	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**100**	***900***	50	ND	ND	ND	ND	ND	ND
Toluene	**16,000**	***16,000***	100	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	**4,200**	***1,800***	330	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**4,000**	***4,000***	50	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	**100**	***6,600***	50	ND	ND	ND	ND	ND	ND
Trichloroethene	**100**	***4,000***	50	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	**52,000**	***NA***	100	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	**840**	***NA***	100	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**2,100**	***NA***	100	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**1,800**	***1,100***	100	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**40**	***300***	40	ND	ND	ND	ND	ND	ND
Xylene, Total	**5,600**	***700***	150	ND	ND	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

TABLE 2C
SOIL ANALYTICAL DATA
SEMIVOLATILE ORGANIC COMPOUNDS
PARCEL-C
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PC-SO-SB4	NHF-PC-SO-SB6	NHF-PC-SO-SB8	NHF-PC-SO-SB10	NHF-PC-SO-SB11	NHF-PC-SO-SB12
				Depth: 1-2 feet	Depth: 4-5 feet	Depth: 4-5 feet	Depth: 8-9 feet	Depth: 3.5-4 feet	Depth: 6.5-7 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 8270C	EPA 8270C	EPA 8270C	EPA 8270C	EPA 8270C	EPA 8270C
	DWPC	*GSIPC*		07/28/05	07/28/05	07/28/05	07/28/05	02/22/06	02/22/06
Acenaphthene	3.0E+05	4,400	330	ND	ND	ND	ND	ND	ND
Acenaphthylene	5.9E+03	ID	330	ND	ND	ND	ND	ND	ND
Anthracene	4.1E+04	ID	330	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	NLL	NLL	330	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	NLL	NLL	330	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NLL	NLL	330	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	NLL	NLL	330	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	NLL	NLL	330	ND	ND	ND	ND	ND	ND
Chrysene	NLL	NLL	330	420	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NLL	NLL	330	ND	ND	ND	ND	ND	ND
Fluoranthene	7.3E+05	5,500	330	530	ND	ND	ND	ND	ND
Fluorene	3.9E+05	5,300	330	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NLL	NLL	330	ND	ND	ND	ND	ND	ND
2-Methylnaphthanlene	5.7E+04	ID	330	1400	ND	390	ND	ND	ND
Phenanthrene	5.6E+04	5,300	330	1100	ND	ND	ND	ND	ND
Pyrene	4.8E+05	ID	330	450	ND	ND	ND	ND	ND

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

All Analytical Data is compared to Part 201"Generic Criteria Tables,

RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

ID - Insufficient Data

IQS Project No: NHF2005-06-11
Date: March 25, 2006

TABLE 2C
SOIL ANALYTICAL DATA
INORGANIC COMPOUNDS
PARCEL-C
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PC-SO-SB4	NHF-PC-SO-SB6	NHF-PC-SO-SB8	NHF-PC-SO-SB10	NHF-PC-SO-SB11	NHF-PC-SO-SB12
				Depth: 1-2 feet	Depth: 4-5 feet	Depth: 4-5 feet	Depth: 8-9 feet	Depth: 3.5-4 feet	Depth: 6.5-7 feet
				Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
				EPA 6020	EPA 6020	EPA 6020	EPA 6020	EPA 6020	EPA 6020
	DWPC	*GSIPC*		07/28/05	07/28/05	07/28/05	07/28/05	02/22/06	02/22/06
Arsenic	**23,000**	***70,000***	100	2,700	2,000	3,300	4,100	9,900	3,600
Barium	**1,300,000**	***N/A***	1000	45,000	110,000	23,000	110,000	170,000	97,000
Cadmium	**6,000**	***N/A***	50	530	240	210	320	850	210
Chromium	**1,000,000,000**	***N/A***	500	7,000	19,000	18,000	25,000	13,000	20,000
Copper	**5,800,000**	***N/A***	1000	16,000	7,800	43,000	15,000	23,000	15,000
Lead	**700,000**	***N/A***	1000	40,000	12,000	17,000	10,000	**450,000***	11,000
Mercury	**1,700**	***100***	100	ND	ND	ND	ND	ND	ND
Selenium	**4,000**	***400***	200	290	***420***	ND	ND	***710***	***590***
Silver	**13,000**	***500***	500	ND	ND	ND	ND	140	ND
Zinc	**5,000,000**	***N/A***	1000	48,000	64,000	32,000	55,000	200,000	63,000

Notes:

DWPC - Drinking Water Protection Criteria.

GSIPC - #12 Groundwater Surface Water Interface Protection Criteria.

N/A - Not Available.

*' - Above Direct Contact Cleanup Criteria

All Analytical Data is compared to Part 201"Generic Criteria Tables, RRD Operational Memorandum #1, Attachment 1, Soil: Residential and Commercial I."

Analytical Data is presented in ug/kg

IQS Project No: NHF2005-06-11
Date: March 25, 2006

- **Tabulated Groundwater Analytical Data**

TABLE 2D – Parcel D_Groundwater Analytical Results

TABLE 2D
GROUNDWATER ANALYTICAL DATA
INORGANIC COMPOUNDS
PARCEL-D
BASELINE ENVIRONMENTAL ASSESSMENT
FORMER NEW HAVEN STREET SITE
NEW HAVEN, MICHIGAN

ANALYTES	APPLICABLE CLEANUP CRITERIA		TMDL	NHF-PD-GW-MW102*	NHF-PD-GW-MW104*	NHF-PD-GW-MW105	NHF-PD-GW-MW106	NHF-PD-GW-MW107	NHF-PD-GW-MW110
				Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
				EPA 6020	EPA 6020	EPA 6020	EPA 6020	EPA 6020	EPA 6020
	RCDWC	GSWIC		03/16/06	03/16/06	03/16/06	03/16/06	03/16/06	03/16/06
Arsenic	50	*150*	5	ND	32	ND	ND	ND	ND
Barium	2,000	*NA*	100	ND	250	ND	ND	ND	170
Cadmium	5	*NA*	1	ND	ND	ND	ND	ND	ND
Chromium	100	*NA*	10	ND	27	12	ND	12	ND
Copper	1,000	*NA*	4	ND	19	ND	ND	ND	ND
Lead	4	*NA*	3	ND	**20**	ND	ND	ND	ND
Mercury	2	*0.0013*	0.2	ND	ND	ND	ND	ND	ND
Selenium	50	*5*	5	***6.1***	ND	ND	ND	ND	ND
Silver	34	*0.2*	0.2	ND	ND	ND	ND	ND	ND
Zinc	2,400	*NA*	50	ND	80	ND	ND	ND	ND

Notes:

RCDWC - Residential and Commercial Drinking Water Criteria

GSWIC - Groundwater Surface Water Interface Criteria.

ND - Non-Detect, Below Target Method Detection Limit.

NA - Not Available.

" - Total, not a field filtered sample

All Analytical Data is compared to Part 201"Generic Criteria Tables, RRD Operational Memorandum #1,

Attachment 1, Soil: Residential and Commercial I "

Analytical Data is presented in ug/L

IQS Project No: NHF2005-06-11
Date: March 25, 2006

- **Soil Boring Logs**

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_SB1
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
6"		Soft	Black	Top soil, wet		
2		Well graded	Dark Gray	Silty sand with some gravel, organic odor, moist	0	Collected SB1@1.5-2 feet
3 4 5 6 7 8 9 10		Soft	Brownish Gray	Clay with medium gravel, soft, no odor, moist	0 0 0	
11 12		Poorly Graded	Brown	Fine sand, moist, no odor	0	

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_SB2
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
2"		Soft	Black	Top soil, wet		
1		Loose	Dark Gray	Fine sand, organic odor, moist	0	Collected SB2@1-1.5 feet
2		Poorly Graded	Yellowish Orange	Fine sand, moist, no odor	0	
2.5		Soft	Gray	Clay, moist	0	
3 4 5 6 7 8 9 10 11 12		Poorly Graded	Yellowish Orange	Fine sand, wet, no odor	0	

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Converted to W Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_SB3
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1 2 3 4 5 6 7 8 9 10		Well Graded	Yellowish Orange	Silt, Saturated		
11 12		Well Graded	Gray	Silty sand with lenses of clay and gravel, moist		Collected SB3@10-10.5 feet

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_SB4
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1		Soft	Dark Gray	Fine sand, wet, no odor		
2.5		Loose	Gray	Fine sand with some silt and clay lenses, moist, no odor	0	
3 4		Well graded	Dark Gray	Silt with some gravel, moist, no odor	0	Collected SB4@3.5-4 feet
5 6 7 8 9 10 11 12		Poorly Graded	Yellowish Orange	Silty sand with gravel, saturated		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_SB5
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1 2 3 4		Well graded	Brown	Fine sand with some gravel, moist	0 0	Collected SB5@3.5-4 feet
5 6 7 8				NO RECOVERY, VERY LOOSE SOIL		
9 10 11 12		Poorly Graded	Brown	Silty sand, wet, no odor	0	

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_SB6
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1						
2						
3					0	
4						Collected SB6@3.5-4 feet
5		Poorly Graded	Brownish Gray			
6				Silty sand with gravel, moist no odor	0	
7						
8					0	
9						
10						
11						
12		Loose	Gray	Silty sand, saturated		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_ SB7
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
6"		Soft	Black	Top soil, wet		
2		Poorly Graded	Brown	Silty sand with some gravel, organic odor, moist	0	
3						
4					0	
5						
6					0	
7						
8					0	
9						
10						
11						
12					0	Collected SB7@11.5-12 feet

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Background (ppm): 0

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_ SB8
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
6"		Soft	Black	Top soil, saturated		
2		Well graded	Dark Gray	Silty sand with some gravel, moist	0	Collected SB8@1.5-2 feet
3 4		Loose	Brown	Silty sand, moist	0	
5 6 7 8		Poorly Graded	Brown	Silty sand, wet		
9 10 11 12		Well graded	Brown	Silty sand, saturated		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-A_SB9
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
6"		Loose	Gray	Gravel		
2		Loose	Black	Fine foundry sand, moist	0	Collected SB9@1.5-2 feet
3 4 5 6 7.5		Soft	Brownish Gray	Clay, moist	0 0	
8 9 10 11 12		Poorly Graded	Brown	Fine sand, saturated at 10'	0	

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_SB1
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	Steve Oberle

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
4"				Concrete		
2		Loose	Black	Foundry sand, hydrocarbon odor		Collected SB1@0-1.0 feet
3 4 5 6 7 8 9 10		Hard	Dark Brown	Clay, moist, no odor		
11 12		Soft	Gray	Clay, moist, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm):

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.	**BORING LOG**	Page 1 of 1

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_SB2
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	Steve Oberle

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION				
		Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
4"				Concrete		
2 3 4 5 6 7 8 9 10 11		Hard	Brown	Clay, dry, no odor		
12		Soft	Gray	Clay, moist, no odor		

EOB @ 12 feet

Remarks: No sample. Background (ppm):
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: ____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_SB3
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	Steve Oberle

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1 2 3 4				Concrete		
5 6 7 8 9 10 11 12		Hard	Brown	Clay, dry, no odor		Collected SB3@4-5 feet

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): ____

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Converted to Well: Yes: ____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_ SB4
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/23/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
6"				Concrete		
10"		Loose	Black	Foundry sand, hydrocarbon odor		
3 4 5 6 7 8 9 10 11 12		Hard	Brown/gray	Clay, dry, no odor		Collected SB4@3.5-4 feet

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm):

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_SB5
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/23/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
12"		Loose	Brown	Fill sand, moist, no odor		
14"		Loose	Black	Foundry sand, moist, no odor		Collected SB5@1-1.5 feet
3 4 5 6 7 8 9 10 11 12		Hard	Brown/gray	Clay, dry, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): 0

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_SB6
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/23/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1 2 3 4		Poorly graded	Black/gray	Sand, moist, no odor		Collected SB6@3.5-4 feet
5 6 7 8 9 10 11 12		Hard	Gray	Clay, dry, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): _____

Refer to Figure 2 for soil boring location.

EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_SB7
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/23/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1				Top soil, moist, no odor		
2 3		Loose	Brown /gray	Sand with lenses of foundry sand.		Collected SB7@2.5-3 feet & Dup
4		Hard	Gary	Silty sand, damp to moist, no odor		
5 6 7 8 9 10		Soft	Brownish gray	Clay, moist, no odor		
11 12		Soft	Gray	Clay, moist, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm):
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_ SB8
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/23/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1 2 3 4 5 6		Loose	Black	Fill material with concrete, brick and misc debris. 4' to 6' saturated with water.		Collected SB8@3.5-4 feet
7.5		Soft	Brownish gray	Clay, moist, no odor		
8		Loose	Gray	Gravel, wet, no odor.		

EOB @ 8 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Had refusal at 8 feet below grade at several locations in this lot. Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm): 0

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-B_ SB9
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/23/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	John Maigret

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1		Loose	Brown	Gravel		
2 3		Loose	Brown /gray	Fill material		
4 5		Loose	Yellowish orange	Fine sand, moist, no odor		Collected SB9@3.5-4 feet
6 7 8 9 10 11 12		Soft	Gray	Clay, moist, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for VOCs, SVOCs and MI-10 Metals. Submitted to Fibertec Lab. Background (ppm): [ ]
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB4
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
4"				Concrete		
2		Loose	Black	Foundry sand, hydrocarbon odor		Collected SB4@1-2 feet
3 4 5 6 7 8 9 10 11 12		Hard	Brown	Clay, dry, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for MI-10 Metals. Submitted to Fibertec Lab.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm): 0

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB5
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
8"				Concrete		
1		Loose	Black	Foundry sand, hydrocarbon odor		
3 4 5 6 7 8 9 10 11 12		Hard	Brown	Clay, moist, no odor		

EOB @ 12 feet

Remarks: No sample.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm):

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB6
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
8"				Concrete		
1		Loose	Black	Foundry sand, hydrocarbon odor		
3 4 5 6 7 8 9 10 11 12		Hard	Brown	Clay, moist, no odor		Collected SB6@4-5 feet

EOB @ 12 feet

Remarks: Soil sample analyzed for MI-10 Metals. Submitted to Fibertec Lab. Background (ppm):
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB7
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
6"				Concrete		
1		Loose	Black	Foundry sand, hydrocarbon odor		
2 3 4 5 6 7 8 9 10 11 12		Hard	Brown	Clay, moist, no odor		

EOB @ 12 feet

Remarks: No sample.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm): 0

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB8
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
6"				Concrete		
2 3 4 5 6 7		Loose	Black	Foundry sand, saturated at 5' below grade level		Collected SB8@4-5 feet
8 9 10 11 12		Hard	Brown	Clay, moist, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for MI-10 Metals. Submitted to Fibertec Lab.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm):

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB9
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1				Concrete		
2 3 4		Loose	Black	Foundry sand, hydrocarbon odor		
5 6 7 8		Wet	Black	1.5 feet of saturated foundry sand recovery		
9 10 11 12				No recovery, cast iron piece was stuck in the shoe.		

EOB @ 12 feet

Remarks: No sample.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm):

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.	**BORING LOG**	Page 1 of 1

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB10
PROJECT NUMBER:	NHF2005-06-11	DATE:	07/28/2005
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
1				Concrete		
2 3 4 5 6 7 8		Loose	Black	Wet foundry sand		
9 10 11 12		Hard	Gray	Clay, moist, no odor		Collected SB10@8-9 feet

EOB @ 12 feet

Remarks: Soil sample analyzed for MI-10 Metals. Submitted to Fibertec Lab.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm):

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB11
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
8"				Concrete		
2 3 4		Loose	Black	Foundry sand		Collected SB11@3.5-4 feet
5 6 7 8				No recovery		
9 10 11 12		Soft	Greenish Gray	Clay, saturated, no odor		

EOB @ 12 feet

Remarks: Soil sample analyzed for MI-10 Metals. Submitted to Fibertec Lab.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm):

Converted to Well: Yes: _____ No: X

INNOVATIVE AND QUALITY SOLUTIONS, INC.

BORING LOG

PROJECT NAME:	Former New Haven Foundry Site	BORING NO:	Parcel-C_SB12
PROJECT NUMBER:	NHF2005-06-11	DATE:	02/22/2006
DRILLING COMPANY:	IQS	GEOLOGIST:	Sunil Kulkarni
DRILLING RIG:	Geoprobe	DRILLER:	N/A

Depth (Ft.) or Run No.	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	Remarks PID (ppm)	Sample
4"				Concrete		
2 3 4		Loose	Black	Foundry sand, moist, hydrocarbon odor		
5 6		Loose	Black	*Foundry sand,saturated with water*		
7 8		Hard	Greenish Gray	Clay, moist, no odor		Collected SB12@6.5-7 feet
9 10 11 12				No recovery		

EOB @ 12 feet

Remarks: Soil sample analyzed for MI-10 Metals. Submitted to Fibertec Lab.
Refer to Figure 2 for soil boring location.
EOB- End of Boring

Background (ppm):

Converted to Well: Yes: _____ No: X

Exhibit-F

Asbestos Report

ASBESTOS SURVEY REPORT

INTRODUCTION

Innovative and Quality Solutions, Inc. (IQS) was contracted by Richter's Contracting, Inc. to conduct the Asbestos Building Survey for the New Haven Foundry Site (Facility), located at 58391 Main Street in the Village of New Haven, Lenox Township, Macomb County, Michigan.

INSPECTION REPORT

IQS Accredit Building Inspector, Mr. Sunil Kulkarni, conducted the inspection at the Facility in order to identify all asbestos containing building materials (ACBM). The inspection was conducted on November 30, 2004 during the day. This inspection is required by the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 61, subpart M, 61.145 standard for demolition and renovation. The inspection was conducted in accordance with the NESHAP regulations.

At present, the Facility is inactive and abandoned. There are several buildings on the Facility including an office and an administration building proximal to main street, a stock room and an electric shop south of the office/administration building, then follows to the south: cleaning room, core room, foundry, sorting conveyor and warehouse.

IQS went through each building to conduct visual inspection of floors, walls, ceilings, above ceiling areas (if present), ventilation system, gaskets, and other building materials to identify the presence of the ACBM. All suspected materials were touched, as required, to determine if they are friable. The samples were collected based on the visual observation and consistency of the material. After obtaining the analytical results, the materials were characterized based on the % asbestos present in the sample and physical characteristics of the material as defined in the NESHAP definition. The samples were collected in zip-lock bags and double bagged and labeled accordingly. The samples were hand delivered to Fibertec Analytical Laboratories located in Holt, Michigan for the asbestos analysis using polarized light microscopy (PLM) method, as recommended by NESHAP.

Four samples were collected from the following locations as specified below:

Sample No. 1: Collected from the Core Room area; sample is a transite non-friable material and is located as shown in the attached Figure.
Sample No. 2: Collected from the Core Room area; sample is a mud wrap around the duct of oven #2 located on the west end of the area and as shown in the attached Figure.
Sample No. 3: Collected from the Foundry area; sample is a pipe wrap material; refer to the attached Figure for the sample location.
Sample No. 4: Collected from the Foundry area; sample is a spray-on pipe wrap material; refer to the attached Figure for the sample location.

Findings and Recommendations

Non-friable asbestos containing material (ACM) including transite was observed in several accessible locations as shown in the attached Figure. Friable ACM was observed around the ducts of oven #1 and #2 in the Core Room area. Based on the analytical results, the sample no. 1 and 2

showed positive for asbestos and 3 and 4 showed non-detect for asbestos.

Based on the physical condition of the material and as defined categorically in NESHAP definition, the mud plaster around the oven is identified as friable and in a fair condition, however, it has a high probability of getting disturbed due to trespassers. IQS recommend the abatement of the friable material by the State of Michigan approved abatement contractor and in accordance with all Federal and State rules prior to the any demolition and renovation activities. Approximately 2 cubic foot of the friable ACM was identified in the core room area associated with oven #1 & #2.

Transite sidings were observed in several buildings including cleaning room and core room. Approximately 3,500 square feet of transite material was observed throughout the Facility. This is a regulated Category II non-friable ACM according to the NESHAP definition and given conditions. However, this category can be identified under non-regulated ACM and disposed-off as a solid building material waste to Type II landfill, provided the abatement can be performed without causing the material any damage including crushing, breaking, boring, etc. by the equipment.

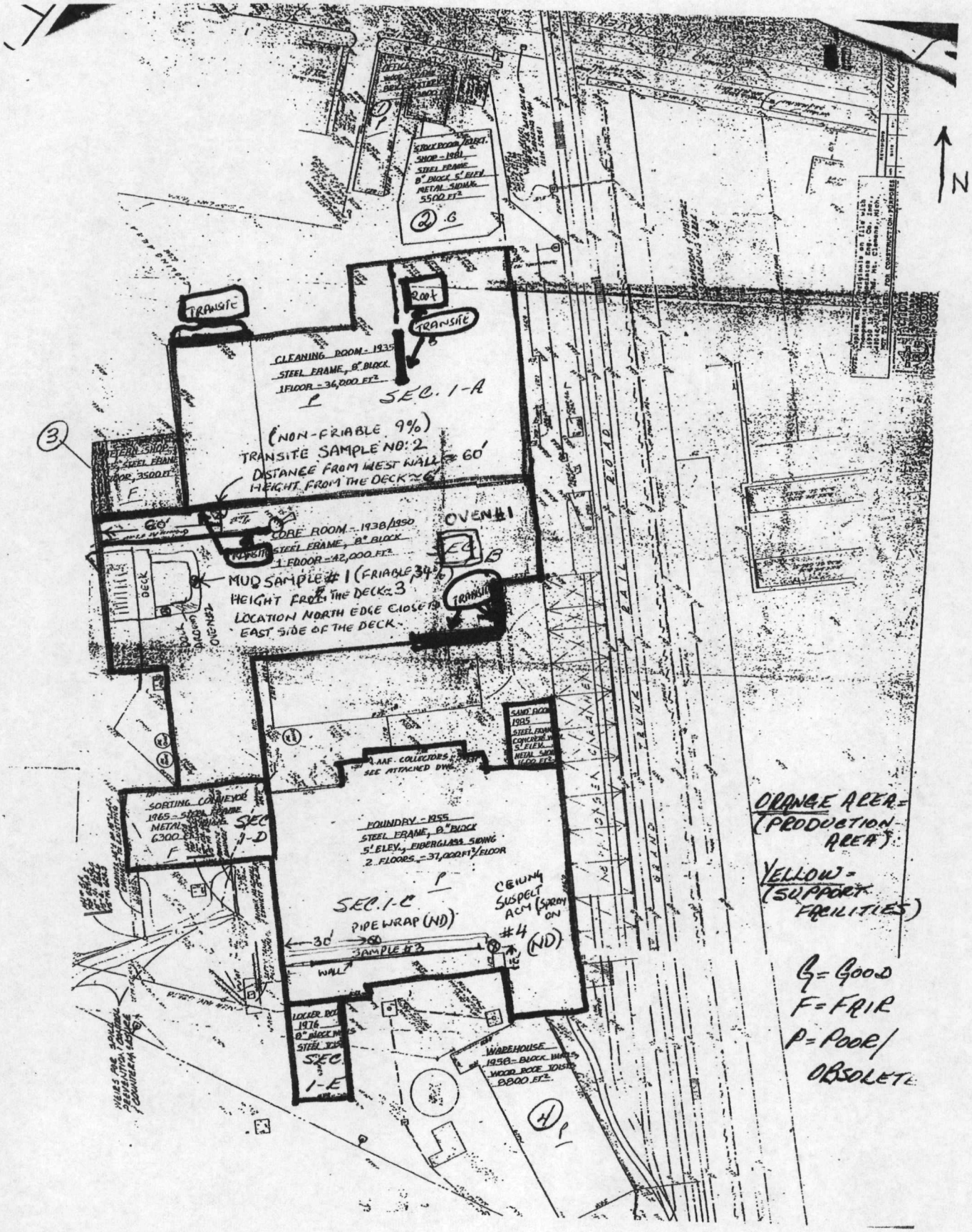
All abatement shall be conducted by an approved State of Michigan abatement contractor and in accordance with Federal and State rules and regulations. During building demolition, if any suspect ACBM was observed, Contractor should take appropriate actions including informing building inspector and State of Michigan personnel prior to abating the material for sampling and analysis.

If you have any questions, regarding the inspection report, please contact me at (517) 402-2992 or iqs@earthlink.net.

Thank you.

Sincerely,

Sunil Kulkarni
Asbestos Building Inspector
Accreditation No.: A30956
Expiration Date: June 27, 2005



NEW HAVEN FOUNDRY SITE

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec-usa.com

Asbestos, Mold & Environmental Hygiene
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec-usa.com

Geoprobe
7794 Boardwalk Road
Brighton, MI 48116
Phone: 248 446 5700
Fax: 248 446 5701

Chain of Custody # 40263

PAGE 1 of 1

Client Name: INNOVATIVE & QUALITY SOL., INC.

Contact Person: SUNIL KULKARNI

Project Name/ Number: NEW HAVEN FOUNDRY SITE

Purchase Order#

Lab Sample #	2004 Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED	PARAMETERS: PLM - ASBESTOS	Turnaround	Matrix Code
1	11-30	PM	NO#1	NHF - AS - NO#1	X	1	N	✓	X 24 hour RUSH (surcharge applies)	S Soil
2	11 30	↓	NO#2	NHF - AS - NO#2	X	1	N	✓	48 hour RUSH (surcharge applies)	W Water
3	↓	↓	NO#3	NHF - AS - NO#3	X	1	N	✓	72 hour RUSH (surcharge applies)	A Air
4	↓	↓	NO#4	NHF AS - NO#4	X	1	N	✓	Standard (5-7 bus. days)	O Oil
									Other: Specify	P Paint
										X Other: Specify ASBESTOS
									Remarks:	

Comments: EMAIL RESULTS TO IQSC@EARTHLINK.NET [ALSO KYLEEN HAS MY PROFILE]

Relinquished By:	Date/ Time 12-01-04 11:57	Received By: 12-1-04 1157
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

TERMS & CONDITIONS ON BACK

****FAX****

Fibertec Environmental Service
1914 Holloway Drive
Holt, MI 48842
Phone Number: (517) 699-0345
Fax Number:(517) 699-0388
lab@fibertec-usa.com

Date: 12/2/04 **Sent By:** Sean Hilaker

Please Deliver To: Sunil Kulkarni

Company Name: IAS

Fax Number: 517 381-2302

Number of Pages (including this cover): 2

Comments:
Plan results for New Haven Foundry Site. Fibertec IHS Project 20072-1

Fibertec
industrial hygiene
services, inc.

BULK SAMPLE ANALYTICAL REPORT

CLIENT: INNOVATIVE & QUALITY SOLUTIONS, INC.
DATE SUBMITTED: 12/1/04
DATE ANALYZED: 12/2/04

NVLAP ACCREDITATION #101510
FIBERTEC PROJECT NO.: 20072-1

PROJECT:
NEW HAVEN FOUNDRY SITE, 4 SUBMITTED BULK SAMPLES, 4 SAMPLE LAYERS ANALYZED.

CLIENT P.O.#: N/A
C.O.C. NO.: 40263

Bulk samples are analyzed utilizing the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without written approval of the laboratory.
*No asbestos present indicates less than or equal to 1% asbestos present. Test items were received in an acceptable condition.

FIBERTEC SAMPLE NO.	CLIENT I.D. NO.	DESCRIPTION/ LOCATION	*ASBESTOS PRESENT Y/N	ASBESTOS TYPE	PERCENT ASBESTOS	TECH. INIT.	NON-ASBESTOS-CONTAINING PORTION
1	NO#1	GRAY FIBROUS MATERIAL, NHF-AS-NO#1.	Y	CHRYSOTILE	34%	SDD	66% NON-FIBROUS MATTER
2	NO#2	BLACK TABULAR MATERIAL, NHF-AS-NO#2.	Y	CHRYSOTILE	9%	SDD	91% NON-FIBROUS MATTER
3	NO#3	BROWN FIBROUS MATERIAL, NHF-AS-NO#3.	N			SDD	98% CELLULOSE 2% NON-FIBROUS MATTER
4	NO#4	WHITE FIBROUS MATERIAL, NHF-AS-NO#4.	N			SDD	96% FIBROUS GLASS 4% NON-FIBROUS MATTER

COMMENTS:

DATE: 12/2/04

Sean Hill
APPROVED SIGNATORY

1914 Holloway Drive Holt, Michigan 48842 Telephone: (517) 699-0345 Facsimile: (517) 699-0382

NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH

DEQ MICHIGAN DEPT. OF ENVIRONMENTAL QUALITY (MDEQ) AIR QUALITY DIVISION, NESHAP, 40 CFR Part 61, Subpart M, ($27,500 penalty per day per violation for failure to comply)

MIOSHA MICHIGAN DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES (MDCIS), ASBESTOS PROGRAM, P.A. 135 OF 1986, AS AMENDED, Section 220 (1-4) or (8)

MDEQ/MDCIS USE ONLY

Postmark Date ___/___/___ Rec'd Date ___/___/___

☐ Ok ☐ Send Def Ltr. Date of Def Ltr. ___/___/___

FOLLOW UP ___/___/___ Spoke w/ _____

Comments: _____

Notification No. _____ Trans No. _____

Calculate MDCIS Asbestos Project Fee: (1% Project Fee)

Total Project Cost: _____ x 0.01 = _____

Type of Contractor: _____ License No.: _____

Licensing Authority: _____

1. NOTIFICATION:

Date of Notification: 11/ 09/04

Date of Revision(s): _____

Notification Type: ☐ Original ☒ Revised ☐ Canceled ☐ Annual

Mark appropriate boxes: (both NESHAP and MDCIS may apply):

NESHAP (MDEQ) ***[260 ln. ft./160 sq. ft. or more is cutoff]***

☐ Planned Renovation – 10 working days notice
☐ Emergency Renovation
☒ Scheduled Demolition above cutoff – 10 working days notice
☐ Scheduled Demolition below cutoff – 10 working days notice
☐ Ordered Demolition

MDCIS ***[Will not accept annual notifications]***

☐ Demo, Reno, Encap. (>10 ln. ft./15 sq. ft.) 10 calendar days notice
☐ Emergency Renovation/Encapsulation

2. PROJECT SCHEDULE:

	START DATE	END DATE
* Renovation		
+Asb. Removal		
+Demolition:	11/22/04	3/31/05
Encapsulation:		

Work Schedule: Please indicate the anticipated days of the week and work hours for the purpose of scheduling a compliance inspection.

	Days of the Week	Work Hours
Asb. Removal:		
Demolition:	Mon-Fri.	7:30AM-6:30PM
Encapsulation:		

* Includes setup, build enclosure, asbestos removal, demobilizing, etc.
+Include only those dates you are conducting asbestos removal/demo.

☐ Check here if this is a multi-phased project, attach a schedule showing the start/end date of each phase.

3. ABATEMENT CONTRACTOR: Internal Project #: _____

Name: N/A

Mailing Address: _____

City/State/Zip: _____

Contact: _____ Phone: _____

FILE

4. DEMOLITION CONTRACTOR: Internal Project #: 04-256-BD

Name: Richter's Contracting Inc.

Mailing Address: 37140 pocahontas

City/State/Zip: clinton twp, MI 48036

Contact: Frank Phone: 1-586-468-1135

5. FACILITY OWNER: ("Facility" Includes Bridges)

Name: HR-ONE Development, LLC

Mailing Address: 53072 Sherwood

City/State/Zip: Shelby Twp, MI 48315

Contact: Jack Hernandez Phone: 1-586-918-3000

6. FACILITY DESCRIPTION:

Facility Name: New Haven Foundry

Location Address/Description: 58391 Main Street

1-story Building If Apt. # of units: _____

City/Twp. New Haven State: MI Zip Code: _____

County: Macomb Nearest Crossroad: Main Street

Size: (sq. ft.) 200,000 No. of Floors: 1 Floor No.: n/a

Age: 40+ Present Use: vacant Prior Use: unknown

Specific Location(s) in Facility: Complete site

7. DISPOSAL SITE:

Name: Ferrous Processing, Inc

Location Address: 13911 John Kronk

City/State/Zip: Detroit, MI.

8. WASTE TRANSPORTER 1:

Name: Richter's Contracting

Address: 37140 Pocahontas

City/State/Zip: Clinton Twp, MI.

Phone: 1-586-468-1135

WASTE TRANSPORTER 2:

9. ORDERED DEMOLITIONS: (See NESHAP regulations for definition of "Ordered Demolition.") A copy of the official Order must accompany this notification.

Gov't Agency Ordering Demo: _____

Name/Title of Person Signing Order: _____

Date of Order: _____ Date Ordered to Begin: _____

10. IS ASBESTOS PRESENT? ☒ Yes ☐ No

Estimate the amount of asbestos: Include RACM (Regulated Asbestos Containing Material) to be removed, encapsulated, etc. Also include the amount and type (floor tile, roofing, etc.) of non-friable Category I and/or Category II ACM that will not be removed prior to demolition. (NOTE: In a demolition, cementatious ACM cannot remain in a structure, as it is likely to become friable in the demolition/handling process. It must be removed prior to demolition.)

RACM to be Removed	RACM to be Encapsulated	Non-friable ACM not removed prior to demo. Category I	Non-friable ACM not removed prior to demo. Category II	Units of Measure	
				☐ Ln. Ft.	☐ Ln. M.
transite			3,500	☒ Sq. Ft.	☐ Sq. M.
				☐ Cu. Ft.*	☐ Cu.M.*

*Volume (cubic ft./meters) should be used only if unable to measure by linear/square measure (example: asbestos has fallen off of surface)

NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH (continued)

11. **PROJECT DESCRIPTION:** Complete **A) for Renovation** (asbestos removal/encapsulation) and/or **B) for Demolition:**

A) RENOVATION: Mark all surfaces/types of RACM to be removed:
☐ Piping ☐ Fittings ☐ Boiler(s) ☐ Tanks(s)
☐ Beam(s) ☐ Duct(s) ☐ Tunnel(s) ☐ Ceiling Tile(s)
☐ Mag Block ☐ Other (describe)_____

Encapsulation (for MDCIS): Mark surfaces/types to be encapsulated:
☐ Piping ☐ Fittings ☐ Boiler(s) ☐ Tank(s)
☐ Beam(s) ☐ Duct(s) ☐ Tunnel(s) ☐ Ceiling Tile(s)
☐ Other (describe) _____

Method of removal: Describe how the asbestos will be removed from the surface (example: glove bag, scrape with hand tools, cut in sections and carefully lower, etc.): _____

B) DEMOLITION: Describe the method of demolition of facility, bridge, etc., and indicate if complete or partial. If partial, describe which part of facility bridge, etc., will be demolished: Complete Demolition using maching & hand wrecking as needed.

12. **ENGINEERING CONTROLS:** Describe work practices and engineering controls used to prevent visible emissions before, during, and after removal, and until proper disposal: Water will be applied the structure/ debris during the wrecking and loading operations.

13. **UNEXPECTED ASBESTOS:** Describe the steps you intend to follow in the event that unexpected RACM is found or previously non-friable asbestos becomes friable (crumbled, pulverized, reduced to powder, etc.) and therefore regulated: If asbestos material is discovered during demolition the project will be stopped, water will be applied to debris, warning signs and barrier tape placed and AQD will be notified immediatly

14. **PROCEDURE(S) USED TO DETECT THE PRESENCE OF ASBESTOS:** A) Indicate how you determined whether or not asbestos is in the facility. If analytical sampling was used, describe method of analysis. (The determination of the presence or absence of asbestos must be made prior to submitting a renovation/demolition notification.): (visual inspection) and (bulk sampling) all samples were tested using P.L.M.

B) Name, address, and phone number of company performing asbestos survey: STE Environmental co. and Innovative quality solutions, Inc

C) Name and accreditation number of inspector: Frank Richter Contractor/Supervisor # A26506 Sunil Kulkarni Inspector # A30956

15. **EMERGENCY RENOVATIONS:** Date/time of emergency: _____ Describe the sudden, unexpected event: N/A

Explain how the event caused unsafe conditions, and/or would cause equipment damage and/or an unreasonable financial burden: _____

16. I certify that an individual trained in the provisions of 40 CFR Part 61, Subpart M, will be on-site during the renovation and during demolition involving RACM above the cutoff and/or during an ordered demolition. Evidence that the required training has been completed by this person will be available for inspection at the renovation or demolition site.

Signature of Owner or Abatement Contractor	N/A *Date*	*Signature of Owner or Demolition Contractor*	12/03/04 *Date*

17. **Signature Requirements for Projects with Negative Pressure Enclosures: (required by MDCIS)**
Per Section 221(1)(2) of P.A. 136 of 1986, as amended, clearance air monitoring is required for any asbestos abatement project involving 10 linear feet/15 square feet or more of friable material which is performed within a negative pressure enclosure. I (the building owner or lessee) have been advised by the contractor of my responsibility under Act 135 to have clearance air monitoring performed on this project.

Signature of Building Owner or Lessee	N/A *Date*	*Signature of Asbestos Abatement Contractor Representative*	N/A *Date*

NOTE: It is not mandatory that a signed copy by sent to MDCIS unless requested. For affected projects, this section of the notification form must be completed, signed, and made part of your records before the project begins.

18. **I certify that the above information is correct:**

SIGNATURE OF OWNER/OPERATOR **DATE**

MAILING ADDRESSES/PHONE NUMBERS: (See Item 1 on reverse side to determine which regulations are applicable to your project.)

or Public Act 135 of 1986, as amended, Section 220 -4) or (8), mail to address below. For more info visit: tp://www.michigan.gov/asbestos.

IDCIS-OHD-ASBESTOS PROGRAM
.O. Box 30671
ansing, MI 48909-8171

17.322.1320 (office), 517.322.1713 (fax)

For **NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M,** mail notifications to the appropriate address below (by county of subject facility): For more info visit http://www.michigan.gov/deq click on Air, then Asbestos NESHAP Program.

All Counties (except Wayne County)

NESHAP Asbestos Program
MDEQ, AQD
P.O. Box 30260
Lansing, MI 48909-7760

517.373.7084

Wayne County Only

NESHAP Asbestos Program
Detroit Field Office, MDEQ, AQD
Cadillac Place, Suite 2-300
3058 West Grand Boulevard
Detroit, MI 48202

313.456.4686

BBR-OH 142 (rev. 12/02)

)P5661 (rev. 4/02)

24-0180
Profile No

N/A

GENERATOR

1. Work site name and mailing address	Owner's Name	Owner's telephone no.
New Haven Foundry 58391 main Street New Haven, MI 48048	HR-ONE Development	1-586-918-3000
2. Operator's name and address Richter's Contracting, INC 37140 Rochester Clinton Twp, MI 48036		Operator's telephone no. 1-586-468-1135
3. Waste Disposal Site (WDS) Name **Woodland Meadows RDF** Mailing Address **5900 Hannan** **Wayne, MI 48184** Physical Site Location **5900 Hannan - Wayne, MI 48184**	WDS telephone no. **313-326-0993** Additional Information **NONE**	
4. Name and address of responsible agency **Michigan Department of Natural Resources, Air Quality Division** **P.O. Box 30028** **Lansing, Michigan 48909**		

5. Description of materials	6. Containers No.	Type	7. Total quantity m^3 (yd^3)
Transite Siding and Pipe Insulation	1		
Asbestos Material Friable) Nonfriable		**BAGS**	24 **YARDS**

8. Special handling instructions and additional information
NONE

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

RQ, ASBESTOS, 9, NA2212, III

Printed/typed name & title	Signature	Month Day Year
Frank Richter Supervisor/Tech A-26506		1-27-05

TRANSPORTER

10. Transporter 1 (Acknowledgment of receipt of materials)

Printed/typed name & title	Signature	Month Day Year
Richter's Contracting, INC. Address and telephone no. 37140 Rochester Clinton Twp, MI 48036 1-586-468-1135		1-27-05

11. Transporter 2 (Acknowledgment of receipt of materials)

Printed/typed name & title	Signature	Month Day Year
Address and telephone no.		

DISPOSAL SITE

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Grid Coordinates East **N/A** North **N/A** El **N/A**

Printed/typed name & title	Signature	Month Day Year
		1/27/05

ORIGINAL RETURN TO GENERATOR

Exhibit-G

Historical Site Assessment Report:

Tetra Tech EM Inc.'s
Final Site Assessment Report (No Attachment Available)
Dated: June 15, 2004

June 15, 2004

Mr. Jeff Kimble
On-Scene Coordinator
Emergency Response Branch
U.S. Environmental Protection Agency Region 5
9311 Groh Road
Grosse Ile, MI 48183

Subject: **Final Site Assessment Report**
New Haven Foundry Site
New Haven, Macomb County, Michigan
Technical Direction Document No. S05-0312-003
Tetra Tech Contract No. 68-W-00-129

Dear Mr. Kimble:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting the enclosed site assessment report for the New Haven Foundry site located in New Haven, Macomb County, Michigan. If you have any questions or comments regarding the report or need additional copies, please contact me at (248) 350-9694 extension 5923 or.

Sincerely,

Heidi Nemeth
Tetra Tech START Project Manager

Enclosure

cc: Lorraine Kosik, U.S. EPA START Project Officer
There Gioia, Tetra Tech START Program Manager

DRAFT SITE ASSESSMENT REPORT
NEW HAVEN FOUNDRY SITE
NEW HAVEN, MACOMB COUNTY, MICHIGAN

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 5 Emergency Response Branch
9311 Groh Road
Grosse Ile, MI 48183

TDD No.:	S05-0312-003
Date Prepared:	April 21, 2004
Contract No.:	68-W-00-129
Prepared by:	Tetra Tech EM Inc.
Tetra Tech START Project Manager:	Heidi Nemeth
Telephone No.:	(248) 350-9694
U.S. EPA On-Scene Coordinator:	Jeff Kimble
Telephone No.:	(734) 692-7688

CONTENTS

1.0 INTRODUCTION

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) was tasked to perform site assessment activities for the New Haven Foundry site in New Haven, Macomb County, Michigan, by the U.S. Environmental Protection Agency (U.S. EPA) under Technical Direction Document (TDD) No. S05-0312-003. Specifically, START was tasked to prepare a site health and safety plan; perform a site assessment, including a site reconnaissance; perform air monitoring activities; collect waste samples; document site conditions with written logbook notes and a still camera; procure an analytical laboratory; and prepare a site assessment report.

The site assessment was performed in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) as documented in Title 40 of the *Code of Federal Regulations* (40 CFR), Section 300.415(b)(2), to evaluate site conditions and possible threats to human health, public welfare, and the environment. This report discusses the site background information, site assessment activities, sample analytical results, and potential threats associated with the site, and summarizes the site assessment.

2.0 SITE BACKGROUND

This section describes the site and discusses the site history,.

2.1 SITE DESCRIPTION

The site consists of a main production building with a core room and a foundry area, a storage building, and two shelters located on the south side of Main Street (42° 43'47.77" N latitude and 82°483'5.605" W longitude) in New Haven, Macomb County, Michigan. The site property is currently owned by Goerge Grogan, the trustee for New Haven Foundry. The site is located in a mixed residential, commercial, and light industrial setting. The site is bordered to the east by light industrial production facilities and railroad tracks, to the west by a residential area, to the south by a landfill, and to the north by Main Street and the U.S Postal Service.

2.2 SITE HISTORY

New Haven Foundry was opened in 1926 and closed in 1995. Site operations included making lead molds for automotive parts. In June of 2003 Macomb County requested assistance from the U.S. EPA and MDEQ for assistance in developing the property. On December 15, 2003 OSC Kimble was assigned to assess the property. In December 2003, OSC Kimble procured Tetra Tech EM Inc. to assist in conducting a site assessment at the site.

3.0 SITE ASSESSMENT ACTIVITIES

Site assessment activities included a site reconnaissance, air monitoring, Hazcat activities, sampling activities, and sample analysis. These activities are discussed below.

3.1 SITE RECONNAISSANCE

On February 17, 2004, Heidi Nemeth of Tetra Tech START and Jeffrey Kimble and Jon Gulch of U.S. EPA mobilized to the site to perform a site assessment.

START and U.S. EPA's initial entry activities and site observations are summarized below.

3.1.1 Initial Entry

START conducted the initial entry of the three buildings and evaluated each building's interior atmosphere. START conducted air monitoring using (1) a Ludlum radiation meter; (2) a MultiRAE multi-gas photoionization detector (PID), percent oxygen (O_2) meter, carbon monoxide (CO) meter, and percent lower explosive limit (LEL) meter for explosive gases. Table 1 identifies the gases used to calibrate each instrument and the air monitoring results.

TABLE 1

AIR MONITORING RESULTS
NEW HAVEN FOUNDRY SITE
February 17, 2004

Monitoring Parameter	Calibration Gas	Calibration Gas Concentration	Highest Monitoring Concentration	Background Concentration
VOCs with PID	Isobutylene	100 ppm	7.1 ppm	ND
CO	CO	100 ppm	11 ppm	3 ppm
O_2	O_2	23.9 percent	21.6 percent	21.3 percent
LEL	Pentane	50 percent	2 percent	ND
Radiation	NA	NA	9 µRad/hr	7 to 9 µRad/hr

Notes:

CO = Carbon monoxide
LEL = Lower explosive limit
NA = Not applicable
ND = Not detected
O_2 = Oxygen
PID = Photoionization detector
ppm = Part per million
VOC = Volatile organic compounds
µRad/hr = Microrad per hour

3.1.2 Site Observations

START documented the site layout and general building conditions. A sampling plan was formulated based on these observations. START's observations in the buildings are summarized below.

Main Production Building (Core Room and Foundry Area). The main production building is located in the central portion of the site and consists of two main rooms, a core room and a foundry area. There are several annexes to these two main rooms. The core room contains machinery and production lines. The foundry area contains approximately 13,600 ft^3 of foundry sand. The sand is located throughout the building; under machinery, in piles, and in hoppers.

Storage Building. The storage building is located at the southwestern corner of the site and contains one room. The roof was generally in fair condition. The floor was stained and wet. The building contained approximately 20 55-gallon drums 5 5-gallon pails. Most of the drums were not labeled and contained liquids. Many drums were without lids and in poor condition.

Exterior. There were two shelters located on site. They consisted of approximately 120 drums and 50 laboratory containers located near the rear entrance and 30 drums at the northeastern corner of the site. The floors and roofs were in poor condition, with deteriorated walls and ceiling. The majority of the drums were not labeled. Some were labeled, " phosphoric acid," "methylene blue solution," "oil," or "caustic soda." Many of the drums were frozen, spilled, or in poor condition.

Piles of foundry sand are located along the eastern portion of the site. The estimated volume of foundry sand in this area is 6,422 $ft.^3$.

3.2 SAMPLING ACTIVITIES

On February 18 and 19, 2004, U.S EPA and START conducted waste sampling. Drum sampling locations were selected based on PID readings and visual observations. Foundry sand locations were selected based on visual observations. Approximately 50 samples were hazcatted (tested for pH and flashpoint) and nine samples were selected for further analysis based on hazcat results. On February 19, 2004, the samples were air mailed to Severn Trent Laboratories (Severn Trent), in University Park, Illinois.

In addition to the waste samples, 21 soil samples were collected from throughout the facility. Samples were air mailed to a Contract Regional Laboratory (CRL) in Chicago, Illinois on February 20th, 2004.

3.3 SAMPLE ANALYSIS

Severn Trent received the five waste samples on February 20, 2004. Severn Trent analyzed the samples using U.S. EPA SW-846 Methods 1311 for Toxicity characteristic leaching procedure (TCLP) extraction, 7470A for mercury analysis, 6010B for analyses for metals other than mercury, 7.3.3.2 for reactive cyanide, 9040B for pH, and 1029A for flashpoint. Analytical parameters were selected based on criteria for identification of hazardous waste set forth in 40 CFR, Part 26

4.0 SAMPLE ANALYTICAL RESULTS

Severn Trent analyzed the samples collected at the site under analytical TDD No. S05-0310-002. Significant results are discussed below. Appendix B contains the analytical data package.

The pH level in sample NH-062 (1.9 standard units) (SU) was below the regulatory limit of 2.5 SU. The pH level in sample NH-063 (12.8 SU) was above the regulatory limit of 12.5 SU. According to 40 CFR Section 261.22, below 2.5 SU and above 12.5 SU are the pH levels at which a substance is considered to be a characteristic hazardous waste based on corrosivity (D002).

Samples NH-077 and NH-091 ignited at 100°F and 110°F respectively. According to 40 CFR, Section 261.22, a substance is considered an ignitable characteristic waste (D001) if it ignites at any temperature less than 140°F.

CRL analyzed 21 samples collected by START on February 19, 2004, at the site. Appendix B contains the analytical data packages. This section summarizes the analytical data.

21 samples exhibited TCLP metal concentrations above method detection limits (MDLs). These concentrations did not exceed the federal regulatory levels set by 40 CFR Part 261.24.

5.0 POTENTIAL SITE-RELATED THREATS

Based on NCP Section 300.415, U.S. EPA may take removal actions to abate, prevent, minimize, stabilize, mitigate, or eliminate a release or the threat of a release to the public health or welfare of the United States or the environment. Section 300.415(b)(2) of the NCP lists factors to be considered when determining the appropriateness of a removal action. This section summarizes factors applicable to the New Haven Foundry site.

Actual or potential exposure of nearby human populations, animals, or the food chain to hazardous substances or pollutants or contaminants. Residential and commercial areas border the site on the north, east, and west. There was visible evidence of trespassing and people accessing the buildings. START observed many drums in various stages of deterioration staged outside of the facility; therefore, pathways exist for direct human exposure to drums and other containers of hazardous substances.

Barium. Barium is a naturally occurring element that can be toxic. According to ATSDR, barium is a silvery-white metal that combines with carbon, sulfur, and oxygen to form compounds used to make drilling muds for lubrication. The main exposure routes for barium are inhalation and ingestion. The health affects of inhaling or ingesting barium can include difficulty breathing, high blood pressure, stomach irritation, brain swelling, muscle weakness, and damage to the liver, kidney, heart, or spleen.

Cadmium. Cadmium is a naturally occurring element that can be toxic. According to ATSDR, cadmium is extracted during production processes involving copper, lead, and zinc. The main exposure route for cadmium is inhalation. The health effects of inhaling high levels of cadmium can include severe damage to the lungs and death. Long-term exposure to lower cadmium levels can cause kidney disease, lung damage, and fragile bones.

Chromium. Chromium is a naturally occurring element that can be toxic at high levels. According to ATSDR, the main exposure routes for chromium are ingestion and inhalation. Ingestion of chromium can cause stomach upset, convulsions, kidney and liver damage, and even death. Breathing high levels of chromium can cause nose irritation, rhinitis, and ulcers of the

nose. Several studies have shown that exposure to chromium can increase the risk of cancer.

Lead. Lead is a naturally occurring element that can be toxic. According to ATSDR, whether lead dust is inhaled or swallowed, the health effects are the same. Lead can affect almost every organ and system in the human body. At high levels, lead can cause weakness in the extremities, memory loss, anemia, and damage to the male reproductive system.

Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release. Numerous drums and containers at the site were labeled as hazardous materials, sludges, and acids. Most of the drums were staged outside. Many of the drums are no longer structurally sound, as was indicated by the staining of the floor around the drums. As discussed below, samples collected from drums exhibited corrosivity (D002) and ignitable (D002) characteristics.

Sample NH-062-04 had a pH level of less than 2 standard units. According to 40 CFR, Section 261.22 (a) (1), a waste with a pH of less than or equal to 2.5 is considered to exhibit the characteristic of corrosivity (D002). Acidic compounds with a pH less than 2.5 standard units can cause severe skin burns and eye irritation. In vapor form, acidic compounds can cause dental erosion and lung damage. If ingested in large amounts, such compounds can cause death.

Drum samples NH- 077 and NH-091 had constituent concentrations that exceeded the regulatory limits for ignitability (D001). According to 40 CFR, Section 261.21, a substance that has a flashpoint less than 140°F is considered ignitable.

Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released. During the site assessment, START observed that many drums had been overturned, had no lids, or had leaked onto the ground. As a result, precipitation could transport hazardous materials off site. In addition, southern Michigan typically experiences winter temperatures below freezing, and the continued exposure of the waste containers to freeze-and-thaw cycles could potentially result in their increased deterioration. Increased deterioration of the containers could result in further waste migration.

6.0 SUMMARY

The New Haven Foundry site is located in a residential, commercial, and light industrial area. Many drums and other containers were observed at the site. Analytical results for samples collected from the on-site drums and containers indicated the presence of corrosive (D002) and ignitable (D001) materials. Deteriorating and overturned drums and the poor condition of unsecured buildings pose threats of potential on-site exposure to and off-site releases of hazardous substances. The site therefore meets the criteria for initiating a removal action as outlined in NCP Section 300.415(b)(2).